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OCTOBER 23, 1948

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Index to Advertisers pp. 5 & 6

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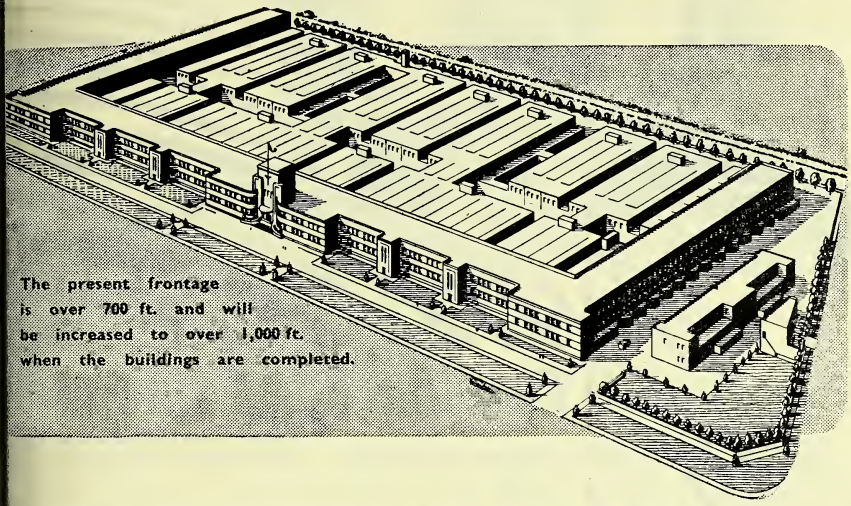

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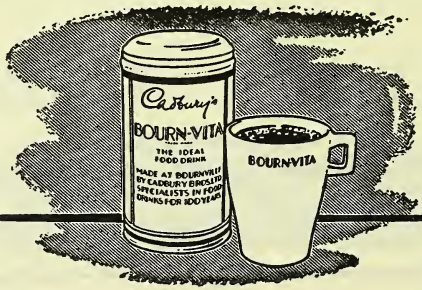

INDEX TO ADVERTISERS

ols, Ltd. 14
Fillers & Engineering
, Ltd. v
J. & Co. (Latex) Ltd. xix
Stafford, & Sons, Ltd. 18
r Pharmaceuticals, Ltd. vii
Laboratories, Ltd. xviii
Ltd. xxiii
, Ltd. xxii

, R., & Son, Ltd. iv
s, M. H. .....Col. Supp.
tt, J. L., Ltd. ii
Products, Ltd. i
Honey 22
r's, Ltd. 11
J., & Sons, Ltd. xiv
W. H. 32
l & Co., Ltd. 16
h Dental Sticks, Ltd. ... 8
h Drug Houses, Ltd.
..... 5
h Dyewood Co., Ltd. ... ii
h Felsol Co., Ltd. Cover iv
e & Schimmer vii
ugh, James, Ltd.
Leader Page
ughs Wellcome & Co.... 35

ury Bros., Ltd. 4
, Ltd. xxvi
atone Shampoos 34
gie Chemicals (Welwyn),
. .....Cover iii

Cartwright, W. B., Ltd. 6
Carus, A., & Sons, Ltd. ix
Cellucotton Products, Ltd.... xii
Chemists Sundries (Wholesale) Co. xxii
Ciba Laboratories, Ltd. 36
Citrus Products xxxii
Clinical Products, Ltd. xi
Clinitest 25
Comtesse Laboratories, Ltd.... 30
Container Recovery Service ... ix
Copley, F., & Co. vi
Cox, Arthur H., & Co., Ltd. 8
Cresswell Bros. & Marks, Ltd. 34
Croda, Ltd. 10
Cuticura Preparations xxxv

D. Bee Food Products, Ltd. xxxii
Dae Health Laboratories, Ltd. xxvii
Daniel, Richard, & Son, Ltd. 13
Daydent 32
Delavelle, Ltd. 32
Dentomint 30

Eades Anodyne, Ltd. xxxii
Edme, Ltd. xxiii
Emmet Distributing Co., Ltd. xxxiv
Esco (Rubber), Ltd. x
Evans Medical Supplies, Ltd. 3
Evan Williams Co., Ltd. 8

Faylene Manufacturing Co. xxiv
Frankenberg, L., Ltd. vi

Franks, A., & Bartlett Co., Ltd. 34
Freeman, J., & Co., Ltd. xxviii
Freudentheil Smith & Co.
Leader Page

Gardner, W., & Sons (Glos.), Ltd. vii
General Electric Co., Ltd. ... xvi
Glaxo Laboratories, Ltd. ... 19
Graesser, Salicylates, Ltd. ... iv
Green, H., Ltd. 2
Griffiths Hughes, E., Ltd. ... 15
Grovewell, Ltd. viii
Gupwell, A. J., Ltd. xiv
Gynoclinical Laboratories, Ltd. xxx

Hannetta, Ltd. 26
Harker, C. R., Stagg & Morgan, Ltd. 12
Harwoods Laboratories, Ltd. xxxvi
Henderson Bros. & Co., Ltd. 26
Hersom, A. G. viii

Imperial Chemical (Pharmaceuticals), Ltd. .....Front Cover
Institute of Chemists-Opticians .....Col. Supp.
International Chemical Co., Ltd. xxxiii

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INDEX (cont.)

Jackson, Ernest, & Co., Ltd. 22
Jacquesils Fabrics, Ltd. 24
Janssen's Herbal Tablets, Dr. xxxi
Jeffreys, Miller & Co., Ltd.... 14
Jenner Institute for Calf Lymph, Ltd. 14
Johnson & Johnson (G.B.), Ltd. xxvi
Jones, W. H., & Co. (London), Ltd. .....Leader Page

Kay Bros., Ltd. 10
Kearsley, C. & G., Ltd. xxiv
Kellys, J., (London), Ltd. ... vi
Kemt xvii
Kerfoot, T., & Co., Ltd. ... 4
Kershaw-Soho (Sales), Ltd.... xxi
Kings of Kingsbury (Sales), Ltd. xxx
Knox, John (Stoke-on-Trent), Ltd. 24

Laporte Chemicals, Ltd. ii
Lax & Shaw, Ltd. xx
Leda Chemicals, Ltd. xxiii
Lever, Brailsford & Co., Ltd. 14
Lodge, Robin, Ltd. iii

MacAndrews & Forbes, Ltd. v
Marks, Leslie & Co., Ltd. ... xii
Marsh, Brooks, Ltd. 24
Matthews, S., & Co., Ltd. ... xxiv
Merica, M., & Co., Ltd. ... 26
Midgley & Parkinson, Ltd. ... 14

Mitchell, L. A., Ltd. iii
Monsanto Chemicals, Ltd. ... 1
Morrison, Guy, & Co., Ltd. xxxiv

New Era Treatment Co., Ltd. Leader Page
Niblett, C. P. xxii
Northern Centre xiv

Olley, C., & Sons, Ltd. 24
Optrex, Ltd. xiii
Orridge & Co. .....Col. Supp.

Pal Personna Products, Ltd.... xv
Paragon (Grief & Co.) xxix
Parker-Hale, Ltd. 24
Pepper, J., & Co., Ltd. 12
Percenta, Ltd. xxii
Pharmaceutical Laboratories, Geigy, Ltd. iii
Pharmaceutical Specialities (May & Baker), Ltd. 20
Picker, Myram, Ltd. 21
Pin-up 27
Potter & Clarke, Ltd. 33
Pratt, Sir John, & Co. xxviii

Radox 23
Rankin Bros. & Sons Leader Page
Resuflin, Ltd. .....Leader Page
Rimmel 28, 29
Rodmill Chemical Co., Ltd. xv

Salem (Pulverised) Tragacanth), Ltd. .....Leader-Page
Sandoz Products, Ltd. 9
Saquerre, Ltd. 24
Selka, Ltd. iv

Simmonds Products, Ltd. ...
Singer, Ernest M. .....
Songo .....Leader
Sorbo, Ltd. .....
Splendor, Ltd. .....
Standard Synthetics, Ltd. Leader
Stemco, Ltd. .....
Stretch, Wilfred, & Co., Ltd
Swan Mill Co., Ltd. .....

Tampax, Ltd. .....
Thackray, C. F., Ltd. .....
Toni Gillette, Ltd. .....
Townsend, J., & Sons, Ltd
Twinkle Headache Powders Leader

United Chemists Association Ltd. .....
Universal Brush Co., Ltd. ..
Universal Metal Products Ltd. .....

Waide, Thos., & Sons, Ltd...
Westbrook Lanoline Co. .....
Westminster Laboratories Ltd. .....
Wick Industries Co. .....
Williams, Charles & Co. .....
Wilson & Mansfield, Ltd. ..
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Zeal, G. H., Ltd. .....
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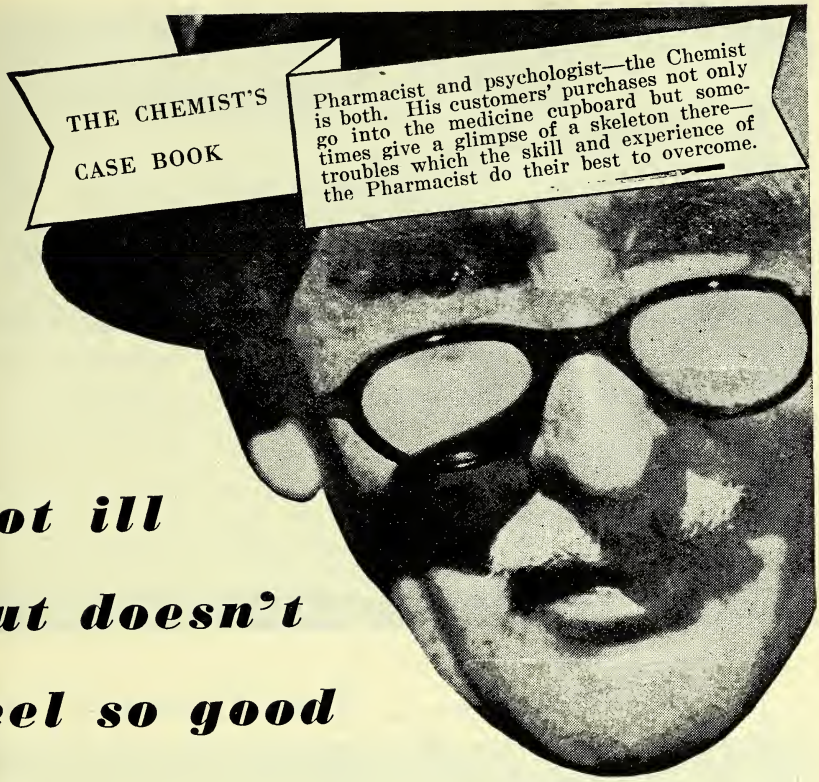

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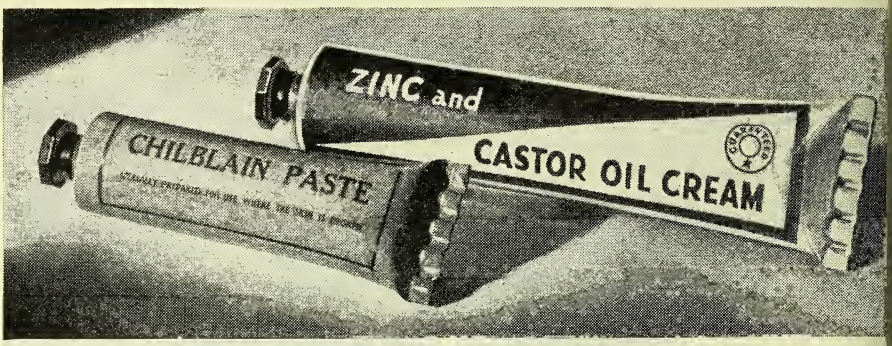

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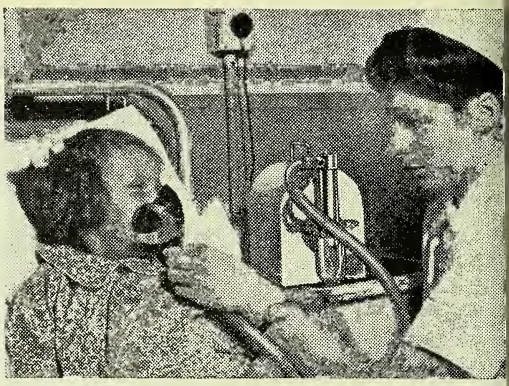

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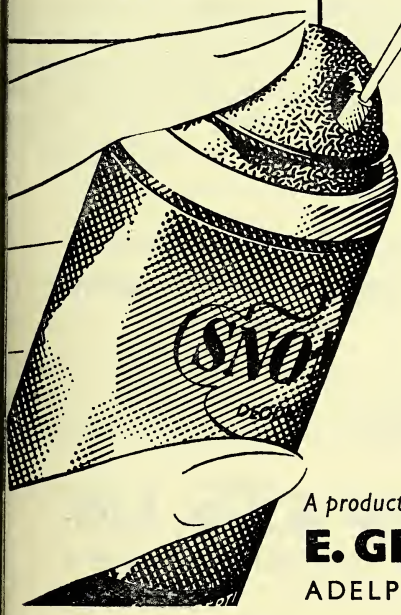

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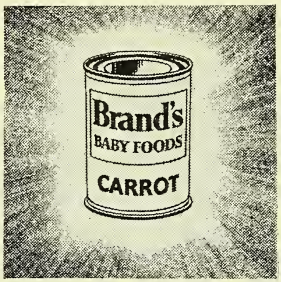

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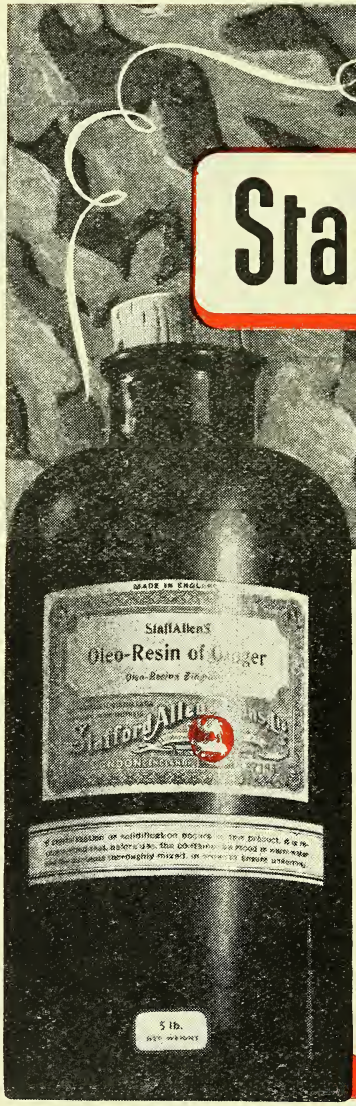

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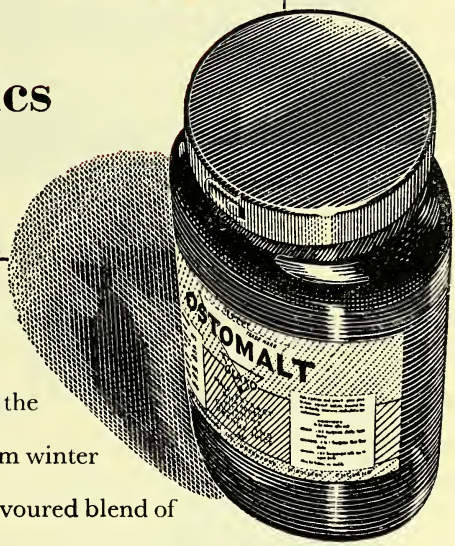


Another winter is on the way. Now is the time for Ostomalt; for building up firm winter resistance with Ostomalt's orange-flavoured blend of vitamins A & D, minerals and malt. Ostomalt is *highly concentrated*—only teaspoonful doses are needed. There is a place for a jar in the cupboard of every customer . . . and on every jar there is a worthwhile profit for you.

GLAXO

OSTOMALT

the elegant vitamin tonic malt food

Jars : ½-lb. 2/- 1-lb. 3/6 *less usual trade discount*

SPECIAL PARCEL TERMS

Parcel No. 10 2 doz. x ½-lb. Cost to chemist £1.12.0 **Parcel No. 11** 1 doz. x 1-lb. Cost to chemist £1.8.0

GLAXO LABORATORIES LTD., GREENFORD, MIDDLESEX. BYRon 3434

48

TRADE MARK **'PLANACRINE'** brand

antiseptic lozenges

for curative and prophylactic use

'Planacrine' lozenges are free from any irritating effe on mucous membranes and possess bactericidal properties whic are maintained in the presence of body fluids.

In **tonsillitis, nasopharyngitis, gingivitis** and **stomatitis,** they combat the infection and relieve pai

Supplies : *Pocket containers of 40 (each containing 3 mgm. euflavine)*

manufactured by

MAY & BAKER LTD

distributors

PHARMACEUTICAL SPECIALITIES (MAY & BAKER) LTD., DAGENHAM

GALA OF LONDON *PRESENTS*

lip line

PAT. PEND.

Slim, graceful, long, Lip Line is sensationally attractive in its beautifully made gold metal case. A transparent tip — protects each Lip Line colour when not in use.

he latest, newest ipstick technique

ith interchangeable colours in the ame shades as Gala lipsticks

t a pencil, not a brush, but the slimmest lipstick ever be made. Giving the steadiest, deftest control in plication, and the marvellous new idea of interchange-le colours!

ick-change refills—one for every dress colour

ch Lip Line refill is contained in its own gold metal shell. A man can lift out one shell of colour at any time and slip in an-her. No soiling of the fingers, as she never touches the colour lf. So with every Lip Line case you can sell several Lip Line ills. 'One for every dress colour'! This means *extra* sales for you.

LIP LINE WILL BE THIS YEAR'S TOP LINE BEAUTY BUY (especially at Xmas)

Lip Line is being nationally launched in advertisements, posters, leaflets. Be ready with your stocks of Lip Line and 'colour-change' refills.
NOTE — *the Special Xmas packs marked ★ below.*

PRICES	TRADE PRICE (*without Pur. Tax*)	RETAIL PRICE (*with Tax*)
P LINE (*Each shade complete in case*)	36/- *per doz.*	7/6 *each*
P LINE REFILLS (*ach shade in its own metal shell*) -	16/6 *per doz.*	3/5 *each*
LIP LINE WARDROBE (*ase and 4 Refills in plastic tray*) -	72/- *per doz.*	15/- *each*
LIP LINE PALETTE (*ase and 12 Refills in super gift box*)	192/- *per doz.*	40/- *each*

Burlington Arcade, Piccadilly, London, W.1

istributors: MYRAM PICKER LTD., HOOK RISE, SURBITON, SURREY

C

We are proud of our CENTURION

We are proud of our "CENTURION" — proud of the reputation he has earned amongst Chemists and their customers. We jealously guard that reputation, by ensuring that the high standard of quality of "CENTURION" Brand PASTILLES and LOZENGES is consistently maintained.
A Representative regularly tours your area. Would you like him to call?

JACKSON OF CREDITON
EST. 1817

ERNEST JACKSON & COMPANY LIMITED · CREDITON · DEVON

BEAR-HONEY
noted for
Purity & Quality

As direct importers from all the main Honey-producing Countries of the World, we can supply Standard Grades of the finest Honey for all Manufacturing purposes.

L. GARVIN & CO. LTD.
ISLEWORTH
MIDDLESEX

Increased demand

There is always an increased demand for Winox during the colder months, and good stocks will enable you to meet the need promptly. Winox is a British Wine with added meat and malt extract, and has been recommended by doctors and nurses for over 30 years. It is particularly useful at this time.

An attractive showcard is available on request.

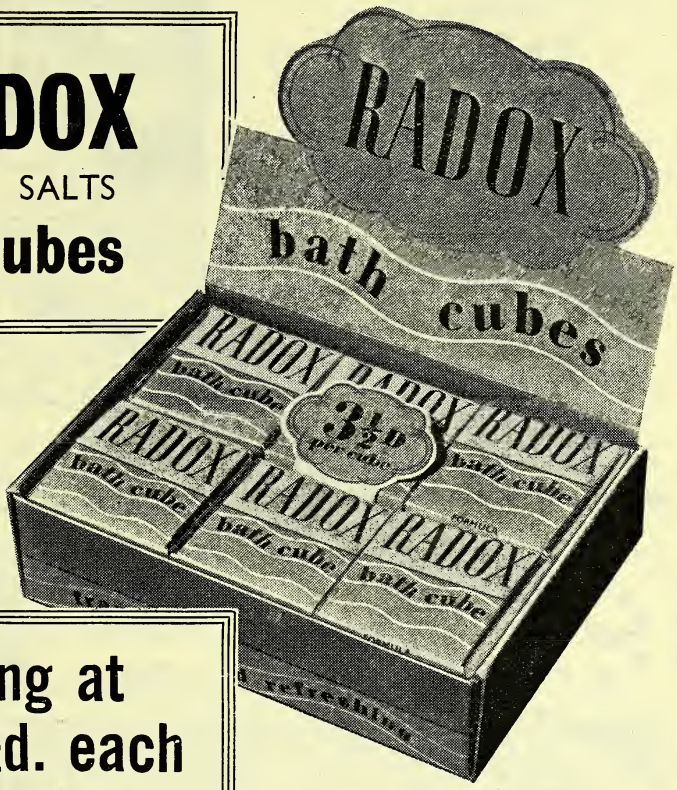
Sole Distributors:
BROOKS & WARBURTON LTD
232 VAUXHALL BRIDGE ROAD
S.W.1

WINOX
Registered Trade Mark

BEAUFOYS WINES LTD., KINGSTON, SURREY

NEW!

RADOX
BATH SALTS
in cubes



selling at only 3½d. each from this smart sell-out, or at 1/9 a box of six units!

FOR YEARS, public demand for Radox has greatly exceeded supply. Now, you can take big profits from counter sales of Radox in this convenient new form at a specially attractive price. Radox, in the familiar pink packet, is becoming more plentiful, too!

1355-1

E. GRIFFITHS HUGHES LTD., MANCHESTER, 3

JACQUESIL FABRICS
LTD.
RED BANK MILLS, RADCLIFFE, Nr. MANCHESTER

makers of the famous

"DAWN" REGD.

FACE CLOTH

can now offer a range of

FACE CLOTHS
RAZOR TOWELS
and
HAND TOWELS

FOR EXPORT

—unfortunately not for Home Trade

London Representative
G. H. BOLTON, Charterhouse Chambers
Charterhouse Square, E.C.1

·JOHN KNOX · JOHN KNOX · JOHN KNOX·

Service for the Chemist only

Everything you need—in Quick Time

Comprehensive Stocks of Medical and Toilet Requisites. Post orders despatched same day. Weekly Van Service throughout the Midlands. John Knox Service is there for *You!*

John Knox

(Stoke-on-Trent), Ltd.

Jaynox Works,
King Street,
Fenton,
Stoke-on-Trent

P.A.T.A.

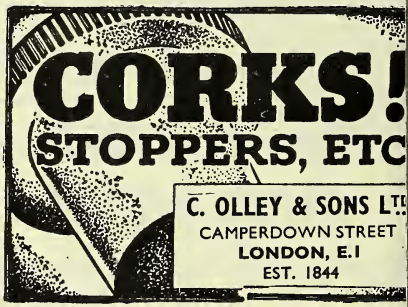
John Knox
(Midland) Ltd.,
36/38 Dean Street,
Birmingham, 5

·JOHN KNOX · JOHN KNOX · JOHN KNOX·

JOHN KNOX · JOHN KNOX · JOHN KNOX · JOHN KNOX · JOHN KNOX · JOHN KNOX · JOHN KNOX · JOHN KNOX · JOHN KNOX · JOHN KNOX

COMPRESSED TABLETS
Special quotations for large quantities. Pr formulæ compounded. Aspirins, Digestive M lodised Throat Tablets, etc., at keen prices— or packed.
MARSH BROOKS, LTD., 170 Bridgeman St., B

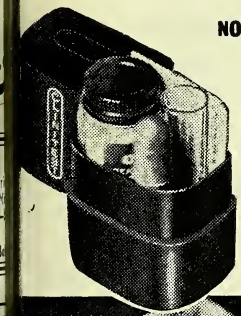
Now available **SACKERS HYGIEN METAL COM**
Will remove Nits, Ve from hair and
All Enquiries :
SAQUERRE LTD. 62-64 BROOK STREET, LONDON,



The new one-minute tablet test for detecting urine-sugar

CLINITEST

CLINITEST has been approved by the Medical Advisory Committee of the Diabetic Association. Doctors and Diabetics are writing enthusiastic letters about this unique *tablet* test. It is already widely used in America, Canada and other countries, and is now available in the United Kingdom. CLINITEST is a simple, fast copper reduction test with all reagents compressed in a single tablet. It is based on the same chemical principles involved in the Benedict Test, but with the following unique advantages :



NO EXTERNAL HEATING The tablet generates its own heat. (No flame or water bath required).

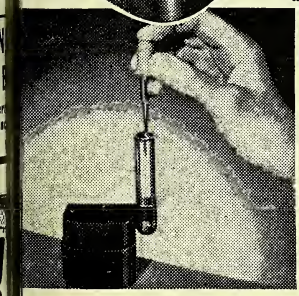
SIMPLICITY . . Only three simple steps involved. (No measuring of reagents).

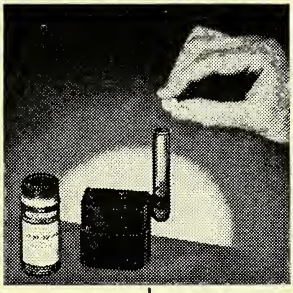
SPEED . . . The complete test takes less than one minute.

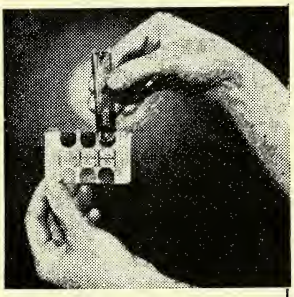
RELIABILITY . . CLINITEST is equal in sensitivity and reliability to the other standard copper reduction tests.

CONVENIENCE . All essentials are contained in a hygienic pocket-size case. (No bulky apparatus).

The use of CLINITEST is spreading rapidly among Doctors and Diabetics as a result of advertisements in the Medical Journals, The Diabetic Journal and by personal recommendation.







***Every Diabetic will be interested in* CLINITEST**

A supply of illustrated leaflets for distribution to the public with all sales of Insulin and other diabetic products will be sent with all orders.

CLINITEST SET, complete . **12/-** Retail } *Trade Dis.* 33⅓%
REFILL BOTTLE (36 tablets) . **4/-** Retail }

CLINITEST is *not* subject to Purchase Tax

For complete information write to :

DON S. MOMAND LTD

57 ALBANY ST, LONDON, N.W.1

Telephones { *EUS 1326* / *EUS 2076*

Sole Distributors for Ames Company, Inc.

A PRODUCT OF THE AMES COMPANY INC., ELKHART, IND., U.S.A.

Thousands will ask for this useful Christmas Gift..

Special Christmas advertising will soon b
telling 14,000,000 people a month how Hyge
brushes, each packed in its own attracti
carton, can solve Christmas present problem

RETAIL PRICES :

IN NYLON 16/- IN BRISTLE 11/6 IN WIRE 5/1

Also Shaving Brushes from 5/- to 5 gns., as w
as Clothes Brushes, Nail Brushes, etc.

WHOLESALE ONLY

Hygex

RUBBER CUSHIONED BRUSHE

HENDERSON BROS. & CO. LTD.
Burwell Road, London, E.10. Phone Leytonstone 520

★ *A delightfully scented hand jelly strongly advertised. Attractive show material available.*

Marion Moore's

WITCH HAZEL JELLY

Marion Moore's Witch Hazel Jelly . . . containing glycerine and lemon oil. In handy tubes 1/6 retail (including Purchase Tax). Price to retailer 7/- per doz. Purchase Tax, 7/- per doz.

Distributors to the Chemist Trade
E. DAVIDS & Co. Ltd., 378 Essex Rd., Islington, N.1
Tel. No.: CLI 5571

HANNETTA LTD.
Humber Road, London
N.W.2

MAKERS OF *Marion Moore's* LIQUID SHAMPOO

ANITA SANITARY TOWELS

All white soft wool with loop ends
Knitted covering

HYGIENIC
HIGHLY ABSORBENT
BEAUTIFULLY SOFT
ECONOMICAL

M. MERICA & CO. LTD.
QUEENS MILL
20 SHAW ROAD, OLDHAM
LANCS.
TELEPHONE : MAIN 5803

Pepsodent now offer you an entirely new market in

THE NEW ***Pin·up***

CREME DE LUXE

HOME COLD PERM OUTFIT

1 *A brand-new product*

2 *New design*

3 *New components*

4 *At revolutionary new low prices!*

5 *At generous profit margins*

The introduction of the new Pin-Up Home Cold Perm Outfit means that women will now buy permanent waves *over the chemist's counter.* This revolution in hair-waving will boost your profits. Displays in windows and on counters will call the attention of your women customers to Pin-Up. *To show Pin-Up will be to sell Pin-Up.*

RETAIL PRICES

Salon-type Outfit 15/- *(inc. tax)*
(With re-usable plastic curlers)

Standard Outfit - 10/- *(inc. tax)*
(With flexible curlers)

Refill Outfit - - 7/6 *(inc. tax)*
(With everything except the Pin-Up curlers)

MESSRS. MAW, SON AND SONS, LTD., OF BARNET, WHO HAVE PREVIOUSLY BEEN THE SOLE DISTRIBUTORS OF PIN-UP, WILL REVERT AS FROM OCTOBER 4TH TO THE STATUS OF WHOLESALERS

IN 6-1002

Introducing two NEW

GENUINE French Perfumes

● Specially for Christmas, Rimmel have introduced two really exceptional cosmetic lines — and remember if a product is exceptional it sells.

● Your women customers will buy this sophisticated genuine French perfume because : Its price is competitive, the bottles are French and attractive.

● Retail prices :

Decanter bottles 10s. each.

R-bottles 3s. 6d. each.

Vocalise and Ghislaine dipper bottles 6s. 6d. each.

● It pays to stock—

Rimmel

48 NORTH ROW · PARK LANE · W. 1

wonderful COSMETIC LINES

● For the first time a Lip-Fashion Pencil is available for the home market.

● It is new : it will be fashionable : and it will be your best seller.

● 10 glorious shades.

Retail price 7s. 6d.

Refill price 4s. 1d.

● Don't miss these golden opportunities. Supplies are limited and orders will be met in strict rotation.

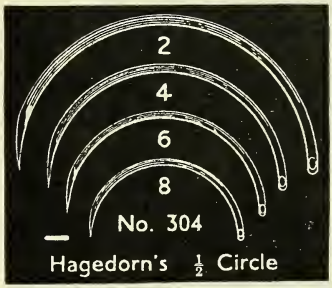
● It pays to stock—

Rimmel

48 NORTH ROW · PARK LANE · W.1

Milward's

NEEDLES . . . . . LEADERS SINCE 17



Sole British and Empire Distributors (except Canada)

Chas. F. Thackray LTD

Milward's

IRON ARM

Registered Trade Mark

SURGICAL NEEDLES

Two hundred years ago Milward's reputation in needle-making craftsmanship was established. All that tradition has taught and modern metallurgy perfected is reflected in the unusual strength, intense sharpness and mirror finish of the latest Milward's Iron Arm Surgical Needles. Supplies of all standard patterns are available.

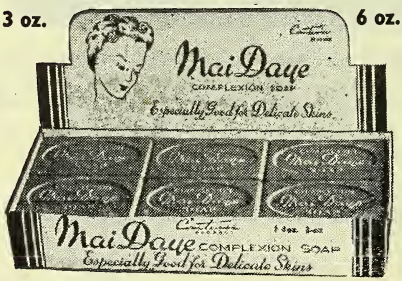
Enquiries welcomed. Illustrated Catalogue sent on request.

Head Office: THE OLD MEDICAL SCHOOL, PARK STREET, LEEDS,
Also at 38 WELBECK STREET, LONDON, W.1

Mai Daye

COMPLEXION SOAP

3 oz. 6 oz.



MADE BY

Comtesse Laboratories Ltd

CHATHAM PLACE, LONDON, E.9

TELEPHONE - - AMHERST 5640

STOCK THIS TOOTH PASTE!

Everybody will like this new tooth paste with the extra strong peppermint flavour that lasts.

ATTRACTIVELY PACKED IN ONE DOZEN. DISPLAY OUTER.

Generous profit margin. Steady Advertising planned.

PER TUBE

1/9 INCL. P.T.

All enquiries and orders to:—

DENTOMINT LIMITED

14 BLENHEIM TERRACE

ST. JOHN'S WOOD, LONDON, N.W.8

Telephone: MAIDA VALE 8061/2

U·M·P

SPECIALISED TUBES

with elongated nozzle for Eye Ointments, Nasal Ointments and Hæmorrhoidal Ointments; also Sescot tubes with Hypodermic needle attached.

To fill Collapsible Tubes, please ask for U·M·P Tube Filling Unit Leaflet

Moulders of Plastics to the Trade by injection and compression methods

TUBE WITH APPLICATOR MADE FROM POLYETHYLENE THE LATEST DEVELOPMENT IN THE APPLICATION OF HÆMORRHOIDAL OINTMENTS.

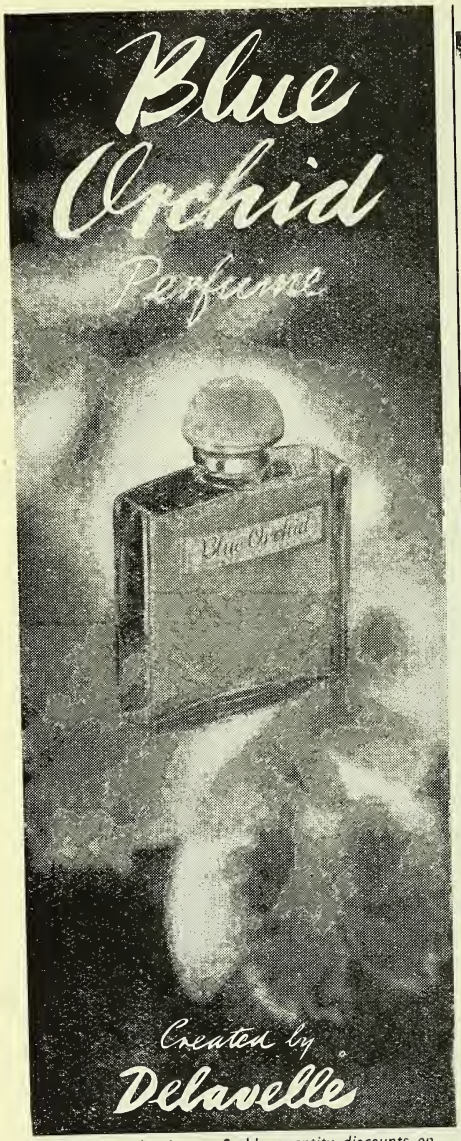
U·M·P

THE SIGN OF SERVICE AND CO-OPERATION

UNIVERSAL METAL PRODUCTS LTD.

SALFORD 6 LANCS. *Telephone:* PENDLETON 1631-2-3

LONDON OFFICE: ARGYLE HOUSE, 29/31, EUSTON ROAD, N.W.1.



Price list showing profitable quantity discounts on this quick selling Series will be sent on application to:-

Delavelle

ESTABLISHED 1880

38/46 ORSMAN ROAD, LONDON, N.1

Telephone No. Clerkenwell 6066

Sole Agents in Northern Ireland:

JAY-BEE PRODUCTS (BELFAST) LTD.

7-13 Fleming Street, Belfast

PUBLIC GOODWILL

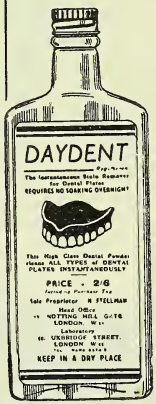
Box's Pills have kept this Flag Flying for over 50 years and the demand now is greater than ever.

P.A.T.A.

PRICES
(Inc. P. Tax)
1/5 3/4
5/5
13/4 & 24/2

Box's Pills

W. H. BOX
161
KING STREET,
PLYMOUTH.



DAYDENT

Reg. Trade Mark

THE DENTAL POWDER

For instantly cleaning and polishing all types of . . .

DENTAL PLATES

Immersion overnight is NOT required

Retail Price Bottle of 4 ozs. 2/6 *Inc. P.T.*

Cost to Retailer 16/- per dozen

(Exclusive of Purchase Tax)

Special Discount to Wholesalers

Head Office and Laboratories:

77 NOTTING HILL GATE, LONDON · W.11

Telephone: PARK 6474-5

Potter's

Catarrh Pastilles

Reminder :
Potter's Asthma Remedy
RETAIL 2/5
WHOLE-SALE 18/-
Plus tax 6/-
per doz.

Revised "Budget" Prices

P.A.T.A.

RETAIL
1/4½ each
WHOLESALE
9/- per doz.
plus tax 3/-

NOW READILY AVAILABLE

from

POTTER & CLARKE LTD

60-64 Artillery Lane, LONDON, E.1.
Telephone : BIShopsgate 4761
and
77 Dantzic Street, MANCHESTER 4.
Telephone : BLAckfriars 8734

Put this Silent Salesman in your Salon!

This fine new counter display is no mere ornament! It's been designed by experts to do a high-powered *selling* job—and do it well! Put one in your salon now, and watch the extra profits rolling in! Displays to hold 6 dozen (1 dozen each of 6 different shades) are supplied FREE with every order for this quantity. Trade Price: 1/5 per doz. plus 100% P.T. Selling Price: 3½d. per packet (including P.T.)

★ **Tonrinz is also specially packed in cartons of 12 rinses for Salon use at 12/- per doz. cartons, plus P.T. 100%.**

CAMILATONE **TONRINZ**

CAMILATONE LIMITED, WELSH HARP, LONDON, N.W.9.

The Warehouses of Cresswell Brothers and Marks.

We have warehouses at Ægina, Greece, and are represented at all major centres of the Sponge Industry throughout the world. Your enquiries will receive our courteous, prompt and knowledgeable attention.

We have no connection with any other firm advertising sponges or chamois leathers in this journal

CRESSWELL BROS. AND MARKS
(INTERNATIONAL SPONGE IMPORTERS, LTD.)
5A, BUCK STREET, CAMDEN TOWN, N.W.1
'PHONE GULLIVER 5462-3 'GRAMS SPONGE, NORWEST, LONDON

"Silktona"

HOME PERMANENT WAVE

(*Guaranteed*)

PRICE TO THE PUBLIC
3/9d. Including Tax

Order NOW from your usual Wholesalers

Sole Distributors:

ALFRED FRANKS & BARTLETT CO. LTD.

AUDREY HOUSE, ELY PLACE, LONDON, E.C.1

Rocketing TO NEW RECORD SALES . . .

Retail sales of the 'Methedrine' Inhaler reached a record peak last winter. In view of the mild weather, this was a great tribute to its new and improved design. Even bigger sales can be expected throughout the coming season—so now is the time to build up your stocks in readiness to meet the demand.

Attractively cartoned, the 'Methedrine' Inhaler will be sent you in display-outers holding 24. Striking showcards are available. A special bonus gives one ***extra*** inhaler with each display-outer ordered. Retail price of the 'Methedrine' Inhaler: 2/- plus 6d. tax.

The 'Methedrine' BRAND Inhaler

for prompt relief of head colds and catarrh

BURROUGHS WELLCOME & CO. *(The Wellcome Foundation Ltd.)* LONDON

Vasoconstrictor

PRIVINE

Registered Trade Mark

It is not related chemically to either adrenaline or ephedrine. Its effects are rapid in onset and prolonged. It has a low toxicity, is non-irritant and very small amounts only are required to produce relief in

NASAL CONGESTION

1 : 2000 Solution ½ fl. oz. 3/6 with dropper

1 : 2000 Solution 4 fl. oz. 20/-

1 : 1000 Solution ½ fl. oz. 4/3 with dropper

1 : 1000 Solution 4 fl. oz. 24/-

Retail Discount 33⅓%

(exempt from purchase tax)

CIBA

CIBA LABORATORIES LIMITED · HORSHAM · SUSSEX

Telephone : Horsham 1234. Telegrams : Cibalabs, Horsham

5/48

The
CHEMIST AND DRUGGIST
for RETAILER—WHOLESALER—MANUFACTURER
OCTOBER 23, 1948
Published weekly at 28 Essex Street, Strand, London, W.C.2
Telephone: Central 6565 (10 lines). Telegrams: "Chemicus, Estrand, London."
e copies 1/- each. Annual subscription, which includes The Chemist and Druggist Diary and Year Book, 30/-

No. 3583 Volume CL

CONTENTS

ASSOCIATION OF BRITISH CHEMICAL MANUFACTURERS
General Meeting 535
Annual Report 536
Speeches at Dinner 540
Dinner Pictures 537
Births 527
Business Changes 529
Coming Events 550
Company News 526
Correspondence 551
Dinner to Mr. C. H. Ratcliffe ... 530
Editorial Articles:—
Chemical Industry Development... 543
Temporary Filling 544
French Exports 544
Fifty Years Ago 550
Insects and Insecticides 545
Irish News 523
Legal Reports 526
Local News 523
Marriages 527
Medical Abstracts 556
News of the Week 521
Personalities 527
Pharmaceutical Society of Ireland... 547
P. A. T. A. 530
Report on H 11 524
School of Pharmacy 532
Society's President Visits Cornwall 531
Topical Reflections 525
Trade Marks 556
Trade Notes 528
Trade Report 552

NEWS OF THE WEEK

tatutory Committee Case.—The Statu-y Committee of the Pharmaceutical So-ty is to meet at 17 Bloomsbury Square, ndon, W.C.1, at 11.30 a.m. on October to consider information and evidence m which it appears that a member of Society was convicted of larceny. The uiry is to be opened in public.

International Film Programme.—Plans aid the production of scientific films were cided on at the International Scientific m Congress held recently in Britain (see *& D.*, October 16, p. 489). The plans lude:—(1) The establishment of an in-national data card for compiling a mas-index of scientific films available oughout the world; (2) The joint pro-ction, by countries, of films of common erest; (3) The exchange on the widest le of scientific films; (4) The setting up a scientific film reference library; and The exchange of information between tions by a regular journal.

Synthetic Boards Exhibition. — Some o samples of boards and plywoods, both t and "formed"—some of them suitable for use as packaging materials in preference to materials in short supply—are on view at an exhibition staged by the Council of Industrial Design, at Murray House, Petty France, London, S.W.1, and open until October 31. Among the materials are plywoods with metal veneers, boards coated with glass fibre, and plywoods with backings and fillings of bonded waste products such as straw and linseed. The exhibits have been collected with the assistance of Trade Associations and the research organisations of individual manufacturers.

Import Licences for Teaseed Oil.—The Ministry of Food states that it is prepared to consider applications for the import of further quantities of Hong Kong teaseed oil at a maximum price to be announced later. Applications must be made in duplicate on form ILD/A to the Oil and Fats Division, Ministry of Food, London Road, Stanmore, Middlesex, not later than November 6. Forms are obtainable from the Oil and Fats Division, Stanmore, from the Import Licensing Department, Board of Trade, 189 Regent Street, London, W.1, or from

any of the usual Customs offices. Licences valid for six months, are to be issued as soon as possible after November 6. A further quota of licences is to be considered at a date not yet announced.

Metallic Contamination of Foods.—The Food Standards Committee appointed by the Minister of Food has set up a subcommittee to consider (1) the available evidence of the effect of the ingestion of foods contaminated with metals or other injurious elements; (2) the possibility of prescribing limits of contamination; and (3) the technical problems that might be caused by the prescription of such limits. The subcommittee is asking food-processing firms, and research, medical and technical associations, to co-operate in the inquiry by sending detailed information of any investigations already carried out, to the Secretary of the Food Standards Committee (Mr. K. R. Allen), Ministry of Food, Food Standards Division, Devonshire House, Mayfair Place, Piccadilly, London, W.1.

Payment for N.H.S. Dispensing.—Payment to chemists for National Health Service prescriptions dispensed during October is to be made on the basis of pricing in full. Payment is to include the additions to fees and ingredient costs, etc., as set out in paragraph 3 of the memorandum "Remuneration of Chemists" issued by the Ministry of Health in June (i.e., Drug Tariff dispensing fees plus 161.5 per cent.; Drug Tariff prices plus 33 per cent.). There is to be no change in the method of submission of bundles, and the system of payment on account, where adopted, is to continue. The Minister has decided, following representations made by the National Pharmaceutical Union, that payment on account is to be at the rate of 1s. 10d. per prescription (instead of 1s. 8d. as hitherto). Executive Councils have been asked to ensure that payment on account for September prescriptions, where it has not already been made, shall be at the increased rate.

Nursing Exhibition.—The thirty-third annual Hospitals, Nursing, Midwifery and Public Health Conference and Exhibition was held in London from October 18-22. Among the newer products shown by pharmaceutical exhibitors (some forty in number) were streptomycin prepared by a deep-fermentation process (GLAXO LABORATORIES, LTD.); Metheph brand of methyl ephedrine hydrochloride (MOORE MEDICINAL PRODUCTS, LTD.); oil- and water-soluble vitamin K analogues (BOOTS P DRUG CO., LTD.); Calgitex algenate abs able gauze, wool, and surgical dusting p der (OPTREX, LTD.); tubes of Santron micidal concentrate (W. J. REND LTD.); Protovite tablets, containing se vitamins (ROCHE PRODUCTS, LTD.); P cillin chewing gum, and Befolin Folybden tablets containing folic acid other ingredients (ALLEN & HANBU LTD.); Tineafax ointment and pov (BURROUGHS WELLCOME & CO.); strai food and baby soups (A. & R. SC LTD.); and Dimp, an insect repellant, national rose hip syrup (SCOTT & TUR LTD.). In the instruments section W. BAILEY, LTD. showed a biometer (the sec to be made) a compact form of appar giving a similar effect to an "iron lu Daily conference lecture sessions and fessional film sessions were held, the f shown including: "Halibut Oil from to Capsule", "Colloids in Medicine," "Emulsions," all by THE CROOKES LABO TORIES, LTD.; and "Tubocurarine."

Scottish N.H.S Contractors Meet.— first meeting of Committee B (the Scot Contractor Chemists' committee) was in Edinburgh on October 8. Mr. C Mitchell (deputy secretary, Departmen Health for Scotland) was present in plac the Secretary of State for Scotland, and George Henderson (head of the Dep ment of Health) who sent apologies absence. Mr. Mitchell welcomed the C mittee and wished its members success. F. W. M. Bennett, in reply, assured Mitchell that the Staff Side of the Com tee would give full co-operation. membership of the Committee is as follo *Staff Side:* Messrs. John Anderson, Dun F. W. M. Bennett, Arbroath, John B Edinburgh, C. A. Buick, Port Glas Colin Campbell, Glasgow, C. W. Mac lane, Dundee, and John Weir, Glasgow, Dr. David McCall, Edinburgh, as *Secret Management Side:* Baillie W. Reid, G gow, Mr. E. W. Hancock, Edinburgh, J. M. Johnston, Edinburgh, and Messrs. I. Millar, Edinburgh, and Nigel Wall Edinburgh; with Mr. R. G. Forrest, E burgh, as *Secretary.* Mr. Bennett appoint *Chairman* for the first year Baillie Reid *Vice-chairman.* Mr. For and Dr. McCall were appointed *Secretaries* for the Committee. It unanimously agreed that rules for the c duct of business should be considered o when necessary. Proposals from the S Side are to receive early consideration.

LOCAL NEWS

Chester Hæmatology Lecture.—A lec-e on "Recent Developments in Hæma-ogy" was given to the Chester Branch the Pharmaceutical Society on Septem-30 by Mr. C. Beaven, Ph.C., A.R.I.C. rke, Davis & Co.). The lecture was strated with lantern slides.

Assistants Invited to Branch Meetings. An invitation to assistants to show ir interest in the profession and to in-ase their knowledge of pharmaceutical irs by attending branch meetings, was ended by the secretary of the South-pton Branch of the Pharmaceutical So-y (Mr. Kenneth Young) at a meeting d on October 11. Four colour films pared by Imperial Chemical Industries, l., were shown. "Physiology of the lney" illustrated the working of the kid-of the dog and its relations to other ans of the body, and the action of cer-n drugs. The other films illustrated the duction and various uses of dyes, the nufacture of common salt and its appli-ion in everyday life, and the commercial duction of ammonia. A feature of the n on ammonia was the simple graphic resentation of chemical changes involved.

N.H.S. Problems Discussed.—Mr. G. F. eth (secretary, Essex Pharmaceutical mmittee), speaking at a combined meet-of the Walthamstow Pharmaceutical ociation and the Walthamstow Branch the National Pharmaceutical Union on tober 12, with Mr. S. T. James in the ir, said that seventy-four rota schemes re in operation in Essex. The average cost each item dispensed on National Health vice prescriptions in the area was, up that date, about 2s. 6d. The number prescriptions had increased about two-l-a-half times. Mr. A. E. Leach, ughton, considered that some extension chemists' hours of service would be cessary, but could see no method of hieving it: most chemists were already rking half-an-hour or an hour beyond eduled times. Mr. Smith, Leyton, said t a patient presenting a prescription at shop for glycerin and blackcurrant pas-es had been unwilling to surrender per-nal points. The Food Office had con-med that, at present, points must be sur-ndered. One speaker said he had re-ved a prescription for ½ oz. of penicillin ntment, and 1 lb. of white lint. On in-iry it was found that the doctor had in-nded to order 1 oz. of lint.

IRISH NEWS

I.D.A. Wholesale Section.—The wholesale section of the Irish Drug Association has elected Mr. W. R. Such (managing director, Evans Medical Supplies (Ireland), Ltd.), *Chairman* for the year 1948-49 in succession to Mr. A. W. Hughes. Mr. I. C. Dawson (managing director, Ayrton Saunders (Ireland), Ltd.), has been elected *Vice-chairman* and *Treasurer*.

Ulster N.H.S. Negotiations.—Negotiations on the remuneration of Northern Ireland chemists under the National Health Service (they are at present working on a provisional contract) have been reopened by the Northern Ireland Minister of Health (Mr. William Grant). The new discussions have as a basis reports on dispensing costs prepared by accountants appointed by (1) the Ministry, and (2) the Pharmaceutical Negotiating Committee. At the most recent meeting of the executive committee of the Ulster Chemists' Association, a request was reported to have been made to the General Health Services Board for an interim payment for prescriptions. So far the Board has made, to chemists in Belfast, a payment for July, but chemists outside the city have not received payment. Mr. Fred Thompson, M.P. (chairman of the Board), who acted as a spokesman for the Pharmaceutical Negotiating Committee during the passage of the Health Services Bill, has resigned office on account of ill health.

Request to I.D.A. Members.—Mr. J. J. Roche (president) was in the chair at a committee meeting of the Irish Drug Association held in Dublin on October 4. A leading Irish consultant, it was reported, had requested that chemists should be asked not to inform patients of the indications for certain drugs. A recent case had come to his knowledge where great distress had been caused when a chemist had answered a patient's questions about the uses of a particular preparation. As a result of representations made to the Irish Glass Bottle Co., Ltd., concerning difficulty in procuring medicinal bottles, the Association had been informed that chemists should cover their requirements for about two months ahead. The resignation of Mr. J. K. Whelehan, Mullingar, from the committee was accepted with regret. Mr. Whelehan, it was stated, had served for over fifteen years and had given valuable service both to the Association and to pharmacy. Recent new members of the Association

were: Mrs. Lucy Adams, Ph.C., Raheny, Mr. W. McFarlane, Ph.C., Ballybofey, Bray Pharmacy, Ltd., Bray, and Messrs. Leo J. Manley, Ph.C., Balbriggan, P. G. Garaghy, Ph.C., Enniscorthy, and P.J. McConnell, Ph.C., Brewshill, Navan.

Ulster Chemists' Association.—At the October meeting of the executive committee of the Ulster Chemists' Association, held in Belfast, the president (Mr. J. C. Acheson) in the chair, Messrs. J. A. Boyle, Armagh, P. J. Brogan, Lisburn, and S. Rutherford, Belfast, were elected to membership. The following, who had been approved at a previous meeting of the Associates' Section, were elected to associate membership: *Pharmaceutical Chemist,* Mr. G. Mooney; *Assistants,* Miss B. Gallagher and Mr. P. Patton; *Apprentices,* the Misses P. J. Milne, M. E. Davis and B. Bryson, and Messrs. J. A. Darmody and I. Wellwood. Preliminary arrangements were made for the annual meeting to be held in Belfast on November 17 at 3 p.m. The secretary (Miss A. E. Strachan) reported that the eight retiring members of committee who had offered themselves for re-election were, with Mr. H. S. Anderson, Newtownards, the only nominations, so that there would be no contest. Mr. Anderson filled a vacancy created by the resignation of Mr. R. Hall. Answering an inquiry whether action could be taken with the local authorities about the handling of infant foods, etc., under the new health service, the secretary said that the Pharmaceutical Committee had asked for an interview with the Minister of Health to discuss the matter of the distribution of maternity dressings through chemists instead of through welfare clinics, as doctors were no longer able to prescribe them.

N.I. Society's President. — Mr. Henry H. Cowzer (see p. 527) has been elected *President* of the Pharmaceutical Society of Northern Ireland. His election was moved by the outgoing president (Mr. J. McGregor) and seconded by Mr. P. R. W. Shinner. Investing the new president with the chain of office, Mr. McGregor said he had no doubt that Mr Cowzer would maintain the status and prestige of the Society. As a young man he would also bring a fresh mind to bear on its problems. Mr. Cowzer replied that no president had been more highly thought of than Mr. McGregor, who had shown a masterly handling of pharmaceutical affairs. He hoped that, with the guidance of members of the Council, wh were rich in experience, he would be abl to maintain the high standards associate with the office. He was proud that h certificate was signed by one of the mo illustrious past-presidents: Mr. Walter C Tate. Mr. Cowzer added: "This yea would appear to be one of changes—whether for good or ill it is not yet po sible to determine. The advent of th National Health Service seems to indica that the pharmacist will be returning t the mortar and pestle." Mr. Shinner wa elected *Vice-President* on the motion o Messrs. Cowzer and McGregor, and h place as *Treasurer* was filled by the appoin ment of Mr. H. F. Moore, who was pr posed by Mr. J. McDowell, seconded b Mr. W. H. Boyd. Thanking members fo their support, the retiring president said h had had an easy and happy year, which h would look back on with great pleasure.

REPORT ON H 11

The report of a committee appointed b the Medical Research Council in 1944 t collect and assess the available evidence o which had been based claims for H 11 (a extract of male urine made by Hosa Re search Laboratories) in the treatment o cancer, has recently been published ("Bri ish Medical Journal," October 16, p. 702 The committee was appointed after alleg tions that responsible bodies, in particula the M.R.C., had been "withholding sup port and refusing to recognise work whic marks an advance in the treatment of ca cer." The committee approached the in quiry (1) by a study of the clinical ca records supplied by the Hosa Researc Laboratories to discover the results of ad ministering H 11 to human patients suffe ing from cancer; and (2) by experimen on the effect of H 11 upon malignant tu mours in mice. In addition all availab literature on the subject was examine The report states that it was not possib to deduce from an analysis of the Hosa re cords that H 11 has any effect either o the rate of growth of cancer in man or o the clinical course of the disease; and tha in experiments conducted on mice und the direction of the committee, no inhib tory action by H 11 was demonstrated. I an editorial comment, the *B.M.J.* says "The plain fact is that H 11 has been trie and found wanting, and whatever justifica tion there may be for further experimenta work on it, there is little or none for con tinuing to distribute it to patients."

TOPICAL REFLECTIONS

lth Risks in Industry

'he discussion, at the recent inter-onal Congress on Industrial Medicine, health risks to workers in the chemical pharmaceutical industries (p. 513), is considerable interest. The number of gerous substances handled in chemical ories is greater, I think, than many mists have hitherto realised. Directors managers of manufacturing houses already aware of some of the risks urred by their staffs; continued alert-s in this respect is obviously indicated. this country there are two difficulties ch, probably more than any other, ay complete control of the situation. e first is carelessness on the part of e employees. A friend who was lately wn a chemical process in the leather in-try told me that, in a section where men were at work, one was wearing a sk and the other was not. The second ficulty is the number of Government de-tments concerned with the subject. In eport by a committee of the Royal Col-e of Physicians of London, summarised THE CHEMIST AND DRUGGIST of Febru-' 24, 1945 (p. 195), it was pointed out t there might soon be at least seven of se departments, with independent dical staffs, "all prescribing report ms of their own devising." What the mber is now I do not know: it would t be surprising to learn that it is more n seven. A speaker at the Congress ntioned urged the need for more precise owledge of the effect of shop service on se engaged in it. The importance of s matter has to some extent been over-ked, possibly because of the more im-diate risks involved in handling chemi-s—and certain drugs—on a large scale. should receive increased attention. perienced medical practitioners could, doubt, give many instances of varicose ns developing in shop assistants.

sign in Trade

Your announcement of the forthcoming hibition in London of specimens of in-strial design (p. 508) calls renewed tention to a subject on which you keep well informed. Precedent is being fol-wed by making this display a herald of e larger exhibition projected for the ar 1951. During the past few days the ndon County Council has issued state-ents on the proposed clearing of an area about thirty acres on the south side of the Thames, between County Hall and Waterloo Bridge, to form a site for the 1951 exhibition, the main event of the proposed Festival of Britain. This area suffered severely from bombing during the recent war, with the result that the cost of preparing it for the exhibition and for subsequent use for various purposes will not be so high as might have been feared. The scheme may, if handled in a business-like manner, be not only a welcome architectural addition to the amenities of the capital but also a sound financial transaction.

Morphine in Children's Medicines

A useful purpose has been served by sending a letter to the Pharmaceutical Society's Council on the danger of using morphine as an ingredient of medicines intended for young children (p. 509). Though the subject is by no means new, it should be considered topical till such time as medicines of this class no longer contain this substance. I have sometimes wondered whether the ingenious John Fisher, "Physician and Chymist," who in 1721 cautioned the public against the danger of purchasing Godfrey's cordial made by "illiterate and ignorant persons," knew that the opium in such medicines (and, no doubt, in his own specific) was the real cause of the danger. That this fact was increasingly realised in the nineteenth century is shown by manuscript recipe books used in pharmacies: some of your older readers can confirm my recollection that the quantity of tincture of opium in chemists' "own" Godfrey's cordial was reduced more than once. In his annual report for the year 1839 the Registrar-General for England and Wales stated that "mothers and nurses frequently give children over-doses of laudanum or elixir, and quack medicines, in which it is mixed up in uncertain quantities." This may have been broadly true, and at the distance of more than a century it is as well not to be dogmatic on the point. Unquestionably the annual returns of this authority show that for many years opium, with its derivatives and preparations, accounted for a larger number of deaths than any other scheduled poison. In 1868, for instance, they amounted to 132 out of a total of 358. Happily there was a progressive fall in the ratio. In 1878 the respective figures were 115 and 467; in 1908 they were 107 and 813. ***Xrayser***

COMPANY NEWS

C.S.A. Chemical Co., Ltd. (P.C.).—Capital £100. To carry on the business of manufacturing and dispensing chemists and druggists, etc. Charles W. J. Arber, William H. Claringbould and George H. Smallwood, directors. R.O.: 9 Glenthorne Gardens, Ilford.

Hickman & Son (Dispensing Chemists), Ltd. P.C.).—Capital £10,000. To acquire a business of chemists and druggists carried on at Market Place, Newbury, Berks. Frederick S. Hickman, M.P.S. and Arthur M. Hickman, M.P.S., directors. R.O.: 42 Cheap Street, Newbury, Berks.

Riley's (Shepherd's Bush), Ltd. (P.C.).—Capital £4,000. To carry on the business of manufacturing, wholesale or retail chemists, druggists, etc. Charles F. Casy and Alun L. Jones, M.P.S., directors. R.O.: 20 Shepherd's Bush Road, London, W.6.

Stonehouse Tablet Manufacturing Co., Ltd. (P.C.).—Capital £5,000. To carry on the business of manufacturing chemists, druggists and tablet manufacturers, etc. George Stonehouse, director. R.O.: Oaklea Mills, Oakleys Road, Long Eaton, Derbys.

Marie Chanel De Paris, Ltd. (P.C.).—Capital £100. To carry on the business of manufacturers, wholesale, retail, import and export perfumers, chemists and druggists, etc. Marie Chanel and Herbert Blau, directors. R.O.: 300 Kingston Road, Merton Park, London, S.W.20.

Garston Bottle Co., Ltd. (P.C.).—Capital £450,000. To acquire the business of glass makers and dealers formerly carried on by G.B.C. Vendors, Ltd. Walter D. Redmond, William A. O'Reilly, Francis G. Macalpine, John J. Calder, George C. M. Barlow, James M. Barlow, James W. Joyce and Ronald H. C. Whiteway, directors. R.O.: Off Window Lane, Garston, Liverpool, 19.

A. Saalfeld & Co., Ltd. (P.C.)—Capital £10,000. To carry on the business of distillers, distillers' chemists and merchants, compounders of perfumes, dealers in essential oils and colours, manufacturers of flavouring essences, dealers in gums, etc. Frederick H. Saville, Charles Kemp, and Doris K. Saville, directors. R.O.: Shield Works, Royds Street, Stockport Road, Manchester 13.

Parekem Industrial Chemicals, Ltd. (P.C.).—Capital £500. To carry on the business of manufacturers of, and dealers in, chemicals, drugs, etc., and to adopt an agreement with Robert E. Roberts for the purchase of a trade mark known as Parekem Rust Remover, and all rights and interests therein. Robert E. Roberts and Thornton Scott, directors. R.O.: 172 Upper Brook Street, Manchester.

C. E. Fulford, Ltd.—Mr. Alfred Wiseman has been appointed assistant managing director.

Greef Chemicals Holdings, Ltd.—An interim dividend is recommended of 4 per cent., compared with 4½ per cent., the corresponding dividend in 1947.

Horlicks, Ltd.—A final dividend is recommended of 16⅔ per cent., making 30 per cent. for the year ended March 31, the same as in the previous year.

LEGAL REPORTS

Committed for Trial.—At Clerkenw magistrates' court, on October 15, Stew Raine Dunbar, described as a chemist, no fixed abode, appeared before the mag trate charged with stealing as a servant, September 6, from 82 High Holbo W.C.1, £22 13s. 10d., the monies of Boo Ltd., by whom he was then employ Denis John Reader, relief manager Boots, Ltd., High Holborn, said that engaged defendant on August 23. One his duties was to take the week's takings the bank. On September 6, witness left money to be taken to the bank on his d with three wage packets. He went out his lunch, and, on his return in the aft noon, found the money and wage pack gone. Defendant was nowhere to be fou Dunbar was committed to the London S sions for trial.

Failures to Send Returns.—Trading Smith's Surgical Service, 59 Gray's I Road, London, W.C.1, George Tay pleaded guilty at Clerkenwell magistrat court, on October 8, to a charge of havi failed to make a purchase tax retu Defendant's explanation was that his sec tary had always sent in the return, and had no idea himself that it had not be sent. Although it was only a "nil" retu it should have been sent in. The summo was dismissed under the Probation Offenders Act on payment of £3 3s. costs. After being arrested on a warrant, becau he had twice failed to appear in court answer summonses, Samuel Edwin Mart M.P.S., 143 Highgate Road, Londo N.W.5, was fined £8, with £6 6s. costs, Marylebone police court on October on a charge of failing to deliver, to t Ministry of Food, deposit slips and used unused order forms relating to soap ratio ing Another summons for failing deliver soap coupons to the Ministry with a specified time was not separately dea with. A solicitor for the Ministry to the court that the proceedings were und the Soap (Licensing of Manufacturers a Rationing) Order, 1947. Although M Martin was required to return the Ministry forms within a week of the next period, th had not been received even now. Mr. Ma tin urged that he was single-handed a had mislaid the forms. He had not attend to the summonses because he mistook t date on one occasion and because he w single-handed at the time the other w received.

PERSONALITIES

Mr. John Belcher has asked for and en granted leave from his official duties Parliamentary Secretary to the Board of ade.

Mr. S. B. Challen, a former secretary the British Pharmaceutical Students' sociation, has obtained his B.Pharm. gree at the University of London.

Mr. Henry H. Cowzer, who has been cted president of the Pharmaceutical Society of Northern Ireland, is the first pharmacist who qualified under the Act of 1925 to reach the position. At the age of thirty-seven he is also the youngest president on record. Mr. Cowzer served his apprenticeship with S. G. & J. A. Fyffe, Hanna's Pharmacy, Bangor, co. Down, and gained experience of the wholesale ade with Shaw & Jamison, Ltd., Townhall reet, Belfast. Qualifying in December 38, he started business on his own account 441 Ormeau Road, Belfast, and is now anaging director of Cowzer's Pharmacies, d. He was first elected to the Council the Society in 1942, and has occupied the ices of treasurer and vice-president. His election to the Council this year was opposed.

Professor E. J. King (professor of chemi- l pathology at the British Post-Graduate hool, Hammersmith Hospital, London), to visit Norway under the auspices of e British Council to lecture to a number scientific bodies.

Dr. Brock Chisholm, Canada, who s elected the first director-general of the orld Health Organisation by the sembly which met recently in Geneva, rved during the 1939-45 war as director- neral of the medical services of the anadian Army.

Mr. S. R. Curtis, B. A., A.C.A., has been pointed secretary of the School of Phar- acy, University of London. Mr. Curtis, ho was educated at Uxbridge County hool, London, graduated in mathematics the University of London in 1929 and alified as a chartered accountant in 1933. For the past ten years he has practised accountancy in the City of London.

Mr. C. H. Ratcliffe, who was given a complimentary dinner in London recently (see p. 530) was president of the Proprietary Articles Trade Association in 1926, and chairman of the P.A.T.A. Trust Co., Ltd, for twenty-one years. He had also held the position of vice-president of the Association and was latterly its treasurer. On retiring from the P.A.T.A. Council in April he was elected an honorary member of the Council in recognition of the exceptional services which he had rendered to the Association. Until recently he was managing director of A. J. White, Ltd., and Menley & James, Ltd., London, S.E.5. of both of which he remains a director.

Mr. W. R. Such, who has been elected chairman of the wholesale section, Irish Drug Association, is the managing director of Evans Medical Supplies (Ireland), Ltd. He goes into office for the second time, having occupied the chair also in 1942-43.

Mr. James McGirr, Premier of New South Wales, and a pharmacist, visited Northern Ireland recently as a member of a party of delegates to the Empire Parliamentary Association. One of three sons of a co. Mayo man who settled in Australia in the last century Mr. McGirr established himself in business in Sydney.

BIRTHS

Clark.—At Keith, recently, Marjorie (née McIntosh), the wife of Alexander Stuart Clark, M.P.S., 19 Regent Street, Keith, of a daughter.

McGregor. — At Lewisham hospital, London, on October 8, the wife of Alistair George McGregor, M.P.S., of a son (Iain).

MARRIAGES

Lamb-Reid.—At Peebles, on October 12, George Thomas Lamb, M.P.S., 29 Hillview Crescent, Edinburgh, formerly of Montrose, Angus, to Mildred Constance Reid, Cambusmore, Peebles.

TRADE NOTES

Bath-salts Cubes.—E. Griffiths Hughes, Ltd., Manchester, 3, have introduced Radox bath cubes as a variant to Radox bath salts, supplies of which, they announce at the same time, are now more plentiful.

Surgical Needles.—Unusual strength, intense sharpness and "mirror finish" are properties claimed for Milward's Iron Arm surgical needles by the sole British Distributors: Charles F. Thackray, Ltd., The Old Medical School, Park Street, Leeds, 1. An illustrated catalogue is available.

New C.F. Booklet. — The Chemists' Federation, 4 Queen Square, London, W.C.1, has issued a sixty-four page list of C.F. manufacturers, wholesalers and products. The booklet is punched for hanging, and gives details also of the officers of the association and definitions of C.F. goods, obligations, window-displays and penalties.

British Instruments at Copenhagen.—A handsomely printed quarto-size catalogue of scientific instruments has been produced by the Scientific Instrument Manufacturers' Association of Great Britain, Ltd., 123 Pall Mall, London, S.W.1, describing the exhibits of members of the Association at the British Exhibition, Copenhagen (see *C. & D.*, August 7, p. 167). Simultaneously, a campaign of Press publicity is being carried out in suitable publications in Scandinavia, Holland and Belgium.

New Export Packs. — The Angier Chemical Co., Ltd., 86 Clerkenwell Road, London, E.C.1, have introduced a new export pack for their Supavite vitamin capsules. As shown in the accompanying illustration, the two sections, which screw together and

in that manner form one compact glass container, allow the capsules (black and amber) to be packed separately. The company has also introduced a new expo pack for its halibut liver oil capsules.

Preparations for the Bath.—Under t registered title Bathology, H. Bronnley Co., Ltd., 87 Avenue Road, London, W have introduced a series of perfumed pe

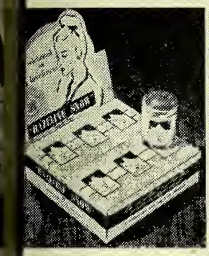
parations to increase the luxury and e joyment of one's bath. The series co prises Bronnley Beauty bath soap, Beau toilet soap, Beauty bath essence, feath crystals, dusting powder and talcum po der. All the preparations (illustrated) a available in a choice of English Fern (gre colour-scheme), Gardenia (black and whi and Rose Geranium (rose) perfumes.

Press Advertising.—An advertising ca paign has commenced for Kemt Mag Mist hair lustre. Orders for stocks shou be placed with the distributors, Scott Bowne, Ltd., Winchester House, O Broad Street, London, E.C.2. Displ material may be obtained from the man facturers, Silvikrin Laboratories, 1 Sydney Road, London, N.10. — Wrigh Layman & Umney, Ltd., 44 Southwa Street, London, S.E.1, announce th Wright's coal-tar inhaler and vaporiser a again being advertised in the national Pre during the autumn and winter seasons.

Cold-wave Outfits.—Toni home perma ent *crème* cold-wave outfits, which ha been selling freely in the United States, a being introduced to the British market b the Toni division of Gillette, Ltd., Isl worth, Middlesex. An announcement a

ars on another page.—Pin-up *crème-de-ke* home cold permanent-waving outfit, which attention was recently drawn in ese columns, is being distributed by PSODENT, LTD., Park Royal Road, Lon-n, N.W.10, and not according to a state-ent previously circulated and published in e *C. & D.* The previous distributors of is preparation (S. Maw, Son & Sons, Ltd., ew Barnet, Herts), revert to the status of holesalers.

Repackaged.—Burroughs Wellcome & o. (the Wellcome Foundation, Ltd.), 183 uston Road, London, N.W.1, announce



hat Hazeline eam and Haz-ine Snow are ow appearing in ttractive new acks. The jars bear new and matching bels, and there are display outers and new showcard (examples are illustrated) correspond with the new packs.

Proprietary Articles Trade Association

Additions to Protected List (Part 1).—*Allen & anburys, Ltd.*, Penicillin chewing-gum, boxes of x pieces containing 5,000 units, 36s. doz., 4s. 6d. exempt from tax). Befolin tablets, 25's, 36s. doz., s. 6d.; 100's, 124s. doz., 15s. 6d. (exempt). .E.P.P., ampoules, 5-mgm. in 1-c.c., box of six, 6s. doz. (tax 33⅓ per cent.), inclusive retail price s. 6d.; oral, 1-mgm., 25's, 22s. doz. (tax 33⅓ er cent.), i.r.p. 3s. 4½d.; 100's, 72s. doz. (tax 33⅓ per cent.), i.r.p. 11s.; oral, 2-mgm., 25's, 40s. oz. (tax 33⅓ per cent.), i.r.p. 6s. 1½d.; 100's, 32s. doz. (tax 33⅓ per cent.), i.r.p. 20s. 2d.; oral, -mgm., 25's, 84s. doz. (tax 33⅓ per cent.), i.r.p. 2s. 10d.; 100's, 272s. 8d. doz. (tax 33⅓ per cent.), r.p. 42s. 7d. Calcydic tablets, 50's, 18s. doz. (tax 33⅓ per cent.), i.r.p. 2s. 9d.; Calcydic (dispensing), oo's, 96s. doz. (tax 33⅓ per cent.); 1000's, 180s. oz. (tax 33⅓ per cent.), Allenburys chilblain stick, 1s. 4d. doz. (tax 33⅓ per cent.), i.r.p. 1s. 9d.; Torch brand children's cough pastilles, 2-oz. in; 7s. 8d. doz. (tax 33⅓ per cent.), i.r.p. 1s. 2½d. *Parke, Davis & Co.*, Abidec drops, vials of o-c.c. with dropper, 44s. doz., 5s. 6d. (exempt); Benadryl cream, 2 per cent. tube, 26s. doz., 3s. 3d. (exempt).

Parkinsons, Ltd., Kilkof, 10s. 3d. doz. (tax 33⅓ per cent.), i.r.p. 1s. 6d.; Vitagrains, 15s. 9d. doz. (tax 33⅓ per cent.), i.r.p. 2s. 2d. Parkinsons powder, twenty-seven doses at 2d. each, 24s. doz. (tax 33⅓ per cent.), i.r.p. 3s. 4d.; tablets, 100 doses at 2d. each, 84s. doz. (tax 33⅓ per cent.), i.r.p. 11s. 2d. Parkinsons pills, in tubes or bottles, 7s. 10d. doz. (tax 33⅓ per cent.), i.r.p. 1s. 2d.

Tampax, Ltd., Dolcin tablets, 100's, 72s. doz. (tax 33⅓ per cent.), i.r.p. 10s.

Bayer Products, Ltd., Bayer aspirin tablets, new pack, 12 x gr. 5, 4s. doz. (tax 33⅓ per cent.), i.r.p. 7½d. Bonus of thirteen to doz. for orders of three doz.; of fourteen to doz. for orders of six doz.

BUSINESS CHANGES

MR. PATRICK BOYD, M.P.S.I., is shortly to open a pharmacy at Bridge Street, Belturbet, co. Cavan.

MR. DERMOT J. DUANE, M.P.S.I., is shortly to open a new pharmacy at Kilbeggan, co. Westmeath.

HIRST, BROOKE & HIRST, LTD., Leeds, 7, have appointed Mr. C. R. Prince, M.P.S., their representative for the South-east Yorkshire area.

MR. J. ROSS-MANSELL, Ph.D., B.Sc., has resigned his appointment as general manager of Westminster Laboratories, Ltd.

J. F. MACFARLAN & Co., Boreham Woods, Herts, have appointed Mr. T. C. Robinson, M.P.S., to their staff of representatives.

THE BOARD OF TRADE has transferred its Directorate of Mica and Cork Section to: 7th Floor, Horseferry House, Thorney Street, London, S.W.1 (Telephone: Victoria 6800).

THE DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH has transferred its information department to Rex House, Regent Street, London, S.W.1 (Telephone: Whitehall 9788).

T. & H. SMITH, LTD., Edinburgh, have appointed Mr. James Conn, M.P.S., 103 Union Grove, Aberdeen, representative in the northern area of Scotland. The ground at present covered by Messrs. A. Cooper and R. Pringle in Aberdeenshire and northwards, is to be taken over by Mr. Conn. Mr. Conn is secretary of the Aberdeen Pharmaceutical Association.

BOOTS PURE DRUG CO., LTD., announce that Mr. D. C. Garratt, B.Sc., Ph.D., F.R.I.C. (at present public analyst to the Borough of Camberwell and analyst to the Port of London Authority) is to join their staff on January 1, 1949. Dr. Garratt is to take charge of the company's analytical control division in view of the impending retirement of Mr. A. D. Powell (chief analyst).

GOYA, LTD., 161 New Bond Street, London, W.1, announce that, in a rearrangement of their sales organisation, the following have been transferred to the staff of representatives: Mr. D. Saunders (east, east-central and north London, Essex, Suffolk, Norfolk, Cambridge and the Isle of Ely); Mr. J. Camp (parts of London, and the Home Counties north and west of London); Mr. Peter Lord (west Midlands and south Wales).

PROPRIETARY ARTICLES TRADE ASSOCIATION

A MEETING of the council of the Proprietory Articles Trade Association was held in London on October 14, the president (Mr. N. E. Forster) in the chair. On the motion of THE PRESIDENT, a resolution was passed wishing speedy recovery to Mr. T. Marns, who was prevented by illness from attending the meeting. The form in which the P.A.T.A. year-book and protected list, 1948-49, had been issued, was approved. It was decided that, for the next issue, there should be no change in advertising rates; thereafter the position would be reviewed. A clarification by the Central Price Regulation Committee of the Committee's attitude to allowances of bonus terms made by manufacturers for window displays or other services was discussed and approved. Of two applications for membership of the wholesale section, one was refused and the other accepted subject to confirmation that the applicant conducted no retail business. THE SECRETARY reported that donations from manufacturer and retail supporters had amounted to £564.

Purchase-tax Hardships

The position of manufacturers and wholesalers was discussed in relation to payment by them, within the stipulated period, of purchase tax chargeable on goods supplied to their retail customers. Complaints had been received that many manufacturers and wholesalers were suffering hardship through having to pay the tax within the stipulated period, whereas in many instances they had not received payment from their customers either of the tax or of the price of the goods. It was agreed that the matter should be discussed with other interested organisations. Arrangements for an election to fill the twelve seats on the Council that would become vacant at the end of the year were approved. Authority was given for the removal from the "stop" list of the names of eight traders who had completed the appropriate price-maintenance agreements. The secretary's report on price-maintenance work showed that, during the quarter, test purchasers and investigators had visited the premises of 394 traders and made 308 test purchases. Only four instances of price cutting had been revealed. Twenty-one traders who had completed price-maintenance agreements had been removed from the "stop" list; no names had been added. Following complaints received from retail members, several large co-operative societies had received spec attention; three societies in Lancashi and one in Yorkshire had been investigat and representations made seemed to ha effected a material improvement.

Dinner to Mr. C. H. Ratcliffe

A complimentary dinner to Mr. C. Ratcliffe (a member of the Council of t Proprietary Articles Trade Association f twenty-five years) was given in London October 14 to mark his retirement fro active participation in business and trade-association work. More than forty his friends and colleagues were prese and Mr. F. J. Smith ("father" of t P.A.T.A. Council) was in the chair.

Proposing "Our Guest," THE CHAIRM expressed the high esteem and affectiona regard in which Mr. Ratcliffe was held. H referred to Mr. Ratcliffe's great servic to the Association in which he had he office and wished him good health ar happiness for many years to come. Th toast was supported by MR. H. N. LI STEAD, O.B.E., M.P. (secretary, Pharm ceutical Society), who spoke of the wi counsel and guidance he, as well as ma others in pharmacy and the pharmaceu cal industry, had received from Mr. Ra cliffe. Tributes were also paid by S FREDERICK M. WELLS (present in a pr vate capacity), DR. F. W. CROSSLEY-HO LAND, and MESSRS. S. W. HAGUE ar JOHN LAWSON. MR. RATCLIFFE, respon ing, expressed his appreciation of the ge ture of goodwill towards him shown so representative a gathering of his friend He surveyed his fifty-seven years of e perience—from the days of his apprentic ship in a Worcester pharmacy to his r cent retirement from many of his form activities. He had seen pharmacy and t trade emerge from a state in which co ditions were bad and organisation lackir in all sections to the well organised ar more prosperous calling and industry today. Mr. Ratcliffe paid tribute to ou standing personalities with whom he ha had contact, and stressed the value of clo and friendly co-operation in the trade.

A Pharmaceutical Laboratory.—A si teen-page booklet issued by Tascos Co operative Chemists, Ltd. (a subsidiary the Ten Acres & Stirchley Co-operative Sc ciety, Ltd., Stirchley, Birmingham), illu trates and describes the company's wel equipped pharmaceutical laboratory.

SOCIETY'S PRESIDENT VISITS CORNWALL

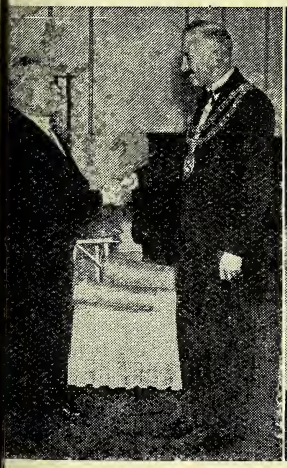
e president of the Pharmaceutical iety (Mr. H. Clement Shaw) paid his t visit to the Cornish Branch of the iety on October 14 when he was guest honour at an inaugural banquet and l held at St. Austell. Addressing a hering of nearly 100, Mr. Shaw said t, thanks to the efforts of past genera- ns, the pharmacists of Great Britain had ome the nation's dispensers. He was ased that there was now a pharmacist the top level of the Ministry of Health, that the pharmacist's viewpoint would taken into account in drawing up new s. The Society had also secured de- ment from military service for pharma- tical students. Referring to pharma- tical education, Mr. Shaw said empha- would in future be laid on principles l functions rather than on masses of ts.

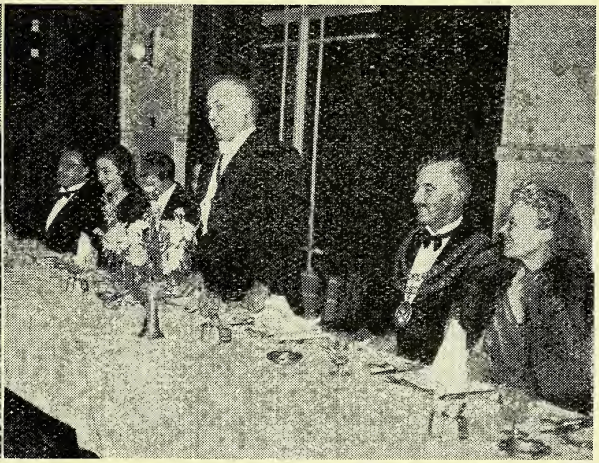
ucation Costs

The cost of education had increased atly, but members would be pleased ear that the School of Pharmacy, which l been costing members up to 14s. a r each, was to have its own board of nagement and would be one of sixteen seventeen schools recognised by the iety. The Society's new building would bably be sold to London University. The Benevolent Fund was in a healthy state. Despite the new social insurances, he felt the Society should always augment anything received by members from the Government. The president and other guests were welcomed by Mr. W. R. Nicholas (chairman, St. Austell urban district council), who said the chemist played an important part in the life of the community and had maintained a high standard of service over a long period of years.

Views on N.H.S.

Dr. G. F. Burnell (secretary, Cornish Division, British Medical Association) was also a guest speaker. Mr. C. E. Underhill (mayor of Saltash and vice-chairman, Cornish Branch of the Society) said chemists had a duty to make the new health service a success and could best do so by co-operating with the doctors. He thought the service was going to cost the country more than it could at present afford; chemists were being unfairly forced to finance the scheme owing to delay in paying for prescriptions. Payment must be made more promptly. Other speakers included Messrs. F. A. Penrose (clerk to Cornwall Executive Council), Hugh Jory (chairman, Cornwall Pharmaceutical Committee), and A. C. Cannon (secretary, Cornwall Pharmaceutical Committee).





RMACEUTICAL SOCIETY'S PRESIDENT AT ST. AUSTELL, CORNWALL.—Mr. H. Clement Shaw, as f guest of the Cornwall Branch of the Pharmaceutical Society, meets the Cornish chairman (Mr. W. R. holas, Mevagissey). Mr. Nicholas is also chairman of St. Austell urban district council. Right: Mr. Shaw rises to deliver his address. Seated, at right of picture, are Mr. Nicholas and Mrs. Shaw.

SCHOOL OF PHARMACY, UNIVERSITY OF LONDON

On October 6 the School of Pharmacy at Bloomsbury Square began its first session under an independent governing body

THE 107th session of the School of Pharmacy, 17 Bloomsbury Square, was formally opened on October 6. THE PRESIDENT OF THE PHARMACEUTICAL SOCIETY (Mr. H. C. Shaw) was in the chair. After welcoming the visitors, he proceeded to the presentation of scholarships and prizes awarded by the Society's Council and open for competition by pharmaceutical students generally. The Allen & Hanburys research fellowship was awarded to Mr. Yu-Chun Hsü, the Pharmaceutical Society scholarship to Mr. Garth Williams, and the Umney memorial prize to Mr. Colin G. Haining.

Dean's Report

The dean of the college (Professor H. Berry) then presented a report on the previous session. PROFESSOR BERRY said that the school's 1947-48 session (the 106th) had been its last session as the College of the Pharmaceutical Society. During that year some ninety-six students had been enrolled; thirty-four for the B.Pharm. degree, thirty-six for the Society's diploma, and twenty-six full-time post-graduate research students working for the Ph.D. degree of the University. A number of students were training for the new B.Pharm. Honours degree. Lack of accommodation had again proved a handicap and it had again been necessary to refuse post-graduate students and to curtail research work.

University regulations concerning the Intermediate and its exempting examinations had again been changed. To bring the standard into line with other degrees in the faculties of art, science and medicine, it had been decided that only three subjects need be offered, chemistry, physics and one of the following:—Biology, botany general physiology or zoology. The student must also attend a course in mathematics to the satisfaction of his teachers unless he had passed in pure mathematics or in mathematics, pure and applied, at main subject standard at a Higher School Certificate examination or at an approved equivalent examination.

Research work had been maintained in all departments and during the session some twenty-seven papers had been published. The school included research workers from China, Czechoslovakia, Denmark, Egypt, India, and Iraq, and twelve post-graduate Ph.D. degrees had bee awarded as a result of theses submitted.

The dean referred, with regret, to th death of Mr. B. W. Melhuish, B.Sc., Ph.C who had been an old student in the co lege and, for many years, a lecturer i chemistry.

New Title and Status

The college under its title of the Co lege of the Pharmaceutical Society was to b no more. It was to be renamed the School o Pharmacy, University of London. A though it would receive a contributio from the funds of the Pharmaceutical Sc ciety, most of its finance would be by gran from the University, and it would continu to have recognition as a school of the Un versity. Its independent governing bod would be a council consisting of the dea together with four persons nominated b each of the following:—The Universit the Pharmaceutical Society, and the aca demic board of the school. The Counc had power to co-opt other members fro research and industry. The Council had a ready been formed as follows:—

University Nominees: Dr. O. L. Brad (dean of the faculty of science, and chai man of the board of studies in pharmacy) Sir Archibald Gray, C.B.E., M.D., B.S F.R.C.P., F.R.C.S. (member of the Court o the University of London); Mr. John H Hunter, C.B.E., M.C., M.A., M.B., M.Ch F.R.C.S. (dean of the faculty of medicine) and Dr. G. B. Jeffery, F.R.S. (principa Institute of Education).

Academic Board Nominees: Professor C A. H. Buttle, Dr. K. H. Coward, Dr. J W. Fairbairn and Professor W. H. Linnel

Pharmaceutical Society Nominees: Mr J. K. Irvine and Messrs. W. S. Howell H. N. Linstead and C. W. Maplethorpe.

Co-opted members: Sir Henry Dale, Si Harry Jephcott and Mr. W. J. C. Quar rell.

Sir Harry Jephcott had been electe *Chairman* and Dr. O. L. Brady *Treasure* Mr. S. R. Curtis, B.A., A.C.A., had been ap pointed *Secretary* to the school.

Mr. Shaw then presented prizes won b students of the college during the previou year (for list of prize-winners see *C & D* August 21, p. 239). He then called upo Mr. Thomas Tickle, B.Sc., Ph.C., F.R.I.C. to present the inaugural sessional address

Inaugural Speech

Pharmacy, said Mr. Tickle, must in the ture of things incorporate a large easure of art in its practice and perform-ce, yet it had always depended on science d would continue more and more to bring ence to its aid. Although in the ab-act science concerned itself only with oretic truth, yet the truth of theory de-nded everywhere on exactitude: exacti-de in measurement and exactitude of dif-entiation between objects. Thus the aning of the word science was extended include the application of science to work. armacy must keep in step with medicine d be ready to engage in new duties and accept new responsibilities at the instant ey were required.

Skilled pharmacists were needed, con-nued Mr. Tickle, in thinly populated dis-icts as much as in more populous centres. this public need was to be fulfilled in stricts where pharmaceutical practice did t support a livelihood, the pharmacist ould receive favoured privileges from the ate. Up to the present such privileges d been but meagre, and the pharmacist as exposed to a prejudice from other adesmen taking up, as a side-line of their n, a section of business which properly longed to the pharmacist.

Mr. Tickle then went on to describe the ccession of events that had led, in 1841, the establishment of the Pharmaceutical ciety, "the union of the members of e trade into one body, the protection of eir general interests, and the improvement d advancement of scientific knowledge."

amous Names

Among the founders had been several hose names were familiar in pharmacy own to the present time: William Allen he first president) whose name had been anded down in the firm of Allen & Han-ury; John Bell, the father of Jacob Bell; harles Barron, Richard Battley, Thomas utler, Charles Davy, Charles Dinneford, aniel Hanbury, J. S. Lescher, Thomas orson, John Savory and Peter Squire. hey had been broad-minded, public pirited men, of far-sighted vision and gen-rous disposition, as witnessed by the in-tution of the Benevolent Fund and the oundation of the School of Pharmacy. n the students of today who were in direct ne of succession to those men, rested the uty, and to them would come the oppor-unity and the privilege, of upholding and nhancing the prestige handed down to them. The School of Pharmacy, the first to provide a chemical laboratory for the teaching of chemistry in the kingdom, had been a munificent gift which had exer-cised on the status of pharmacy an influence that could not be over estimated.

An Apprentice's Lot

Mr. Tickle then went on to describe the time of his own entry into pharmacy. Al-though extracts and liquid extracts were bought from the manufacturers, tinctures were made "at home." Pill making had been the apprentice's special duty. Mixtures were usually dispensed by someone above the rank of apprentice, and were then set aside to be finished off by the master or senior assistant who expected to be able to recognise either by taste, smell or look, that no ingredient had been omitted. He wrote the directions in a copperplate hand and sealed, capped and wrapped the bottle with such elegance as the apprentice thought he himself would never be able to attain. The apprentice had been expected to learn by his own efforts. Information was al-ways willingly given him, but there had been no methodical system of teaching.

At the time when he had joined the School of Pharmacy, continued Mr. Tickle, the teaching of botany had undergone a revolutionary change from the recognition and classification of plants to botanical physiology and anatomical structure. Pro-fessor Greenish had brought the study for-ward by adding systematic microscopy to the scheme of instruction. Practical phar-macy had been taught by Mr. Joseph Ince (a son of William Ince, one of the founders of the Society) and he had always attended class in a frock coat. Chemistry lectures had been given by Professor Dunstan and practical chemistry superintended by Pro-fessor Attfield. The fundamental ground-work of chemistry had been taught thor-oughly, giving the student a framework of basic principles which, when thoroughly mastered, would qualify him for a better understanding of whatever new aspect of chemical science he might afterwards have to deal with.

"There is only one chemistry," said Mr. Tickle, "and its fundamental laws are im-mutable. Your practice may be in phar-maceutical chemistry, but see that you do not make pharmaceutical chemistry the boundary of your chemical science. This view should not be lost sight of lest in fol-lowing pharmaceutical chemistry in too nar-rowly circumscribed limits the pharmacist may remain on the fringe, if not quite out-

side, that realm of chemistry which is the only foundation on which a true understanding can be built . . . Knowledge and understanding are two different things."

The course for the Minor or qualifying examination had been six months, and the examination, apart from the practical test, wholly oral. The examiner and the candidate had sat facing each other at a small table and "the examiners' methods and demeanour were as much discussed by examinees outside the door as were the candidates' answers by the examiners inside." Of one examiner it would be said "He is a gruff old chap but you are all right with him." Of another it would be said "He is very friendly and smiles in a kindly way but he may be plucking you all the time."

"I have seen profound changes in pharmacy both in its internal structure and in its external relation to the outside world," said Mr. Tickle. The present students would see still more profound changes, particularly in the requirements of medical treatment which it would be their duty to fulfil. He urged them to make the most of the opportunities before them to qualify for the changes that were to come as well as for the requirements of today. "Have confidence that the groundwork of learning and practice, once it is well mastered, will be a firm stepping stone to the mastery of new principles, but be careful to see that the groundwork is well done."

No Midnight Oil

The greater the variety of books they read on the same subject, the better, but he would not advise students to "burn the midnight oil." He assured them that although many might find that heavy rea ing came easier late at night, its effect w more ephemeral, and it had not the lasti value of reading done earlier in the da

Time had produced strange reversals attitude. When the Society had been abo to appoint its first board of examiners, t Royal College of Physicians and the Ur versity of London had been approached the hope that they would participa Neither had been willing to do so. At th time the University of London had co ferred degrees by examination but had n provided education. The wheel had no come full circle and the Society's first co ception of what it would like best was n only realised but enlarged. Students wou come under the university for education well as for examination.

Foundation Dinner

In the evening of October 6, a "found tion dinner" was held at the Apothecari Hall, London, E.C.4, jointly by the Colle of the Pharmaceutical Society and t School of Pharmacy, University of Londo Mr. H. C. Shaw presided. "The New Schoo was proposed by Mr. H. N. Linstea O.B.E., M.P., Professor H. Berry r sponding. Professor Lillian M. Penso Ph.D. (vice-chancellor, London Universit proposed "The Old School," and Dr. H. Hampshire replied. A toast to "Th Guests" was proposed by Sir Harry Jepp cott (chairman of the Council of th School), Dr. T. A. Henry responding. Th guests included members of the Society Council, members of the Council of th School of Pharmacy, and a number of r presentatives of the University.

FOUNDATION DINNER.—Guests at a dinner held in London on October 6 (see above) to mark the beginning of the first session of the School of Pharmacy under its new title and constitution.

A.B.C.M. GENERAL MEETING

e thirty-second annual general meeting members of the Association of British emical Manufacturers was held in Lon- n on Thursday, October 14. Moving adoption of the report and accounts, e Chairman (Sir Harry Jephcott) in the rse of his speech said: First, I would e to pay a sincere tribute to the memory Mr. Woolcock, general manager of the sociation during the ten years from 18 to 1928. He came to the Associa- n in its early formative days and the lustry owes much to his wise counsel and rseverance in dealing th the grave problems nich beset us after orld War I. I wish to mment in particular on e outstanding part nich he played in secur- g the legislation which s been instrumental in omoting the great de- lopments which have ken place in our dye- uffs and fine chemical dustries during the past irty years.

During the past year, ecial urgence has been ven by the Government the export drive. The emical industry may stly be proud of what has achieved. Not ly has it met most of e increased demands of e home consuming in- ustries, especially of ose which have themselves to provide uch greater exports, but it has also aug- ented our direct exports of chemical pro- icts. We are well on the way to reaching e target set for the end of 1948 of £8.05 illions per month. To some extent we ve been handicapped by shortages of aterials and to a small extent of labour, t our main difficulty has been the prob- m of obtaining authority for the new ildings and plant which are essential if roduction is to be further increased and e consuming industries assured of the emical raw materials they require.

The problem now before this country is produce enough goods not only for ex- ort, but also to meet the essential home emands. If this could be done, we would lve the grave problem of our import- xport balance and also the equally serious problem of inflation at home. Yet, in settling the programme of capital expenditure, the Government has deliberately put at the bottom of the list productive industry, which alone can provide these goods. It is difficult to avoid the impression that political and social considerations are often allowed to outweigh economic needs. There is, however, a ray of hope for our industry in the future. Its vital importance as a supplier of essential raw materials to all other industries is at last being recognised by those in authority, and building licences are at last being granted over a wider field. But chemical factories cannot be erected overnight and it will be many months, if not years, before we can meet the demands which may be made upon us, both for home and export.

Sir Harry Jephcott

The position in respect of Germany has changed considerably in the past year, mainly because of the difficulties which have arisen with our Eastern ally. It has become more necessary than ever to re-establish a sound economy in the Western Zones. This is likely to mean fewer reparations, but these are a doubtful asset in any case. The missions which the Government finally allowed to visit Germany in connection with dyestuffs and pharmaceuticals have given us a clearer picture of future possibilities, while the new contacts established with the German Chemical Manufacturers' Association in the British Zone afford a direct channel for the discussion of the various problems that are bound to arise between our two industries in the next few years.

We have many difficult problems ahead of us. We must build up and develop our industry so that in scope and efficiency it is second to none. Given freedom from irksome restrictions, we are convinced of our ability to develop a still more flourishing and efficient chemical industry in this country. Sir Harry concluded his speech with an appreciation of the services of the Director, Joint Managers and staff of the Association.

ANNUAL REPORT OF THE ASSOCIATION

THE following abstracts are taken from the annual report of the Association for the year ended May 31, 1948:—

Fine Chemical Industry

Early in the year under review, Group B, expecting an early inquiry into the future of the Key Industry Duties, arranged for the preparation of a booklet—"Fine Chemicals and the Nation's Future"—designed to inform Members of Parliament and those whose opinions might influence them on the nature and importance of the industry. The provision in the Spring Budget for the extension of the Key Industry Duties for a further three years removed the immediate need for the booklet. Arrangements have been made for the text to be reviewed periodically ready for expeditious publication when the occasion arises. The 1948 Finance Act, while extending the life of the Key Industry Duties, throws the duties open to modification as the result of trade agreement negotiations with other countries. A satisfactory assurance was given by the Board of Trade that, as hitherto (notably in connection with the Geneva negotiations), the Association would be consulted when any such modification was proposed. Arrangements were made for an intensive study, in consultation with members, of the imports of K.I.D. chemicals during 1947, with a view to ensuring that the industry would itself produce as many as possible of the fine chemicals which are at present being imported.

Group B and the Medicinal Chemicals Sub-Group more particularly have given much attention to problems attendant on the revival of the German fine chemical industry. By the close of the year arrangements had been completed for a team to visit Germany for consultation with the Control Commission officials and German fine chemical and pharmaceutical manufacturers on future manufacturing and export developments in Germany.

The 1948 Budget proposals for the relief of further medical products from purchase tax gave rise to considerable concern on the part of members of the medicinal sub-group, because of the discrimination against the use of trade marks. Intensive efforts, more particularly by the Wholesale Drug Trade Association (now the Association of British Pharmaceutical Industry), failed to secure a fundamental change in the attitude of the Government. On the other hand, i the field which especially interests mem bers of the Association, the Governmer has changed its policy and has mad greatly improved arrangements for dealin with requests for the exemption of "cost and essential" drugs.

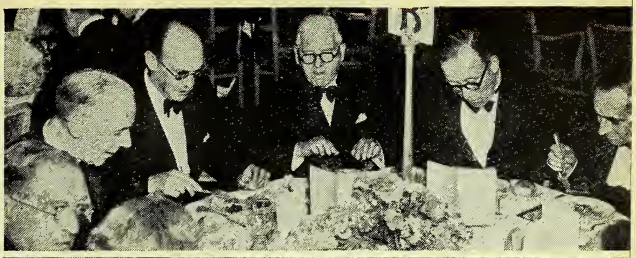
Supplies of Chemical Plant

With the co-operation of high officia at the Board of Trade and Ministry Supply, the Association, in conjuncti with the British Chemical Plant Manufa turers' Association, set up a speci "bottlenecks" panel to overcome difficu ties in connection with the supply chemical equipment, particularly when r quired to maintain plant in productio more especially in cases where the Region Officers of the Board of Trade were unab to help. The results have been most e couraging and members are recommende in their own interests to make full use the scheme.

German Chemical Industry

The revised plan for the level of pos war German industry in the Angl American Zone of Germany was publish on August 30, 1947. The chemical pr duction was to be allowed to attain pra tically the 1936 level, although this w not expected until 1950 or later. As tot exports were to be increased to 15 per cen above 1936, in order to pay for import it was obvious that chemicals would hav to form a considerable proportion of th total. One of the main objects of the decisions was to settle finally the plants be declared surplus for reparation purpose Unfortunately, the failure to reach agre ment on reparations by the four Powe in Berlin has delayed allocations to th western countries and many plants whic have actually been dismantled in the Bri ish zone are simply rusting away on th site owing to the refusal of the Britis Government to proceed with allocatio except by a four-power agreement. I spite of the time devoted to this matt by the Association staff during the la two years and help given to the Goverr ment by members in providing technic representatives to inspect German plan the paucity of progress has confirmed th view expressed last year that the benefit t British chemical industry from reparatio will be negligible.

Mr. Harold Wilson,
e esident of the Board of Trade.



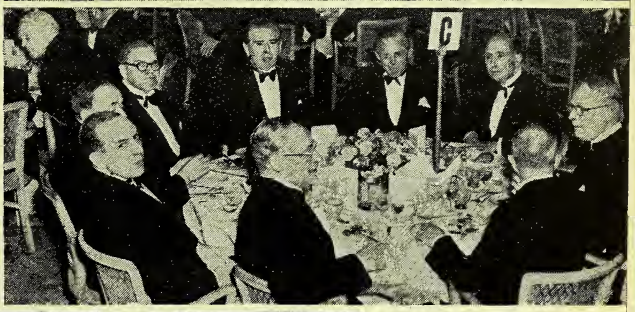
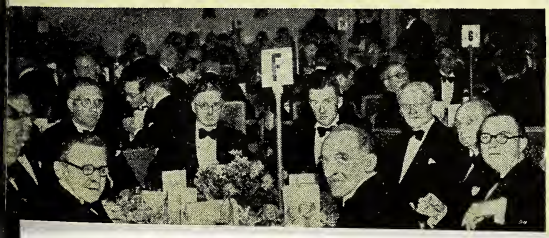


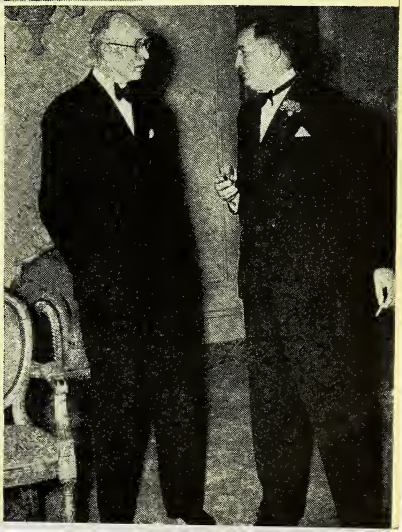
Table B. Some well-known personalities in the industry. **Table C.** includes Sir Frederick Bain, Sir Ian Heilbron, Mr. F. G. Pentecost, Dr. H. E. Watts, Dr. L. H. Lampitt and Mr. I. V. L. Fergusson, **Left.** Sir Robert Robinson, Sir Harry Jephcott, Mr. Harold Wilson and Mr. R. Duncalfe.

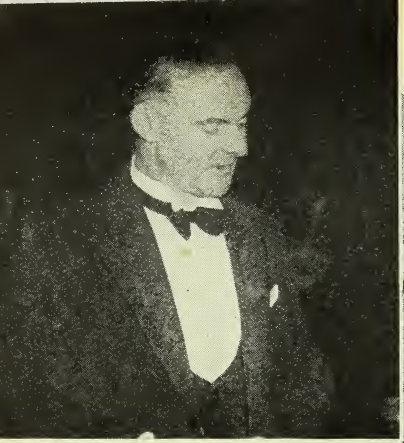
A.B.C.M. Annual Dinner

London, October 13, 1948

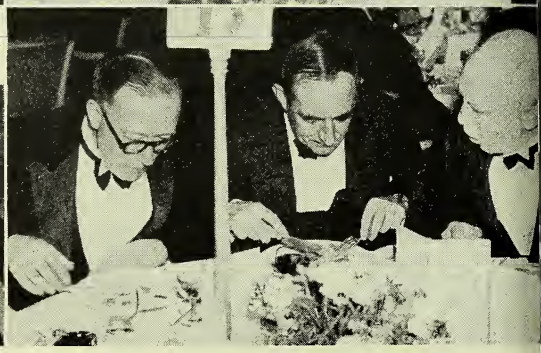
le F. Including Dr. E. V. Evans, Dr. W. H. Garrett, Mr. A. D. sh, Mr Victor Blagden and Mr. L. P. B. Merriam. **Right.** The irman of the Association (Sir Harry Jephcott) in discussion n the Association's Director, Mr. J. Davidson Pratt.





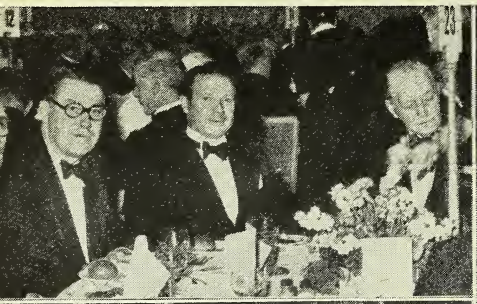


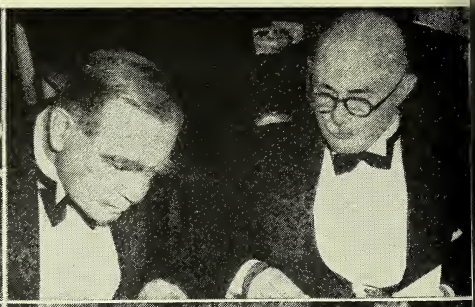
Mr. Allan J. Holden, joint manager of the A.B.C.M., views the results of his work of organising the function.

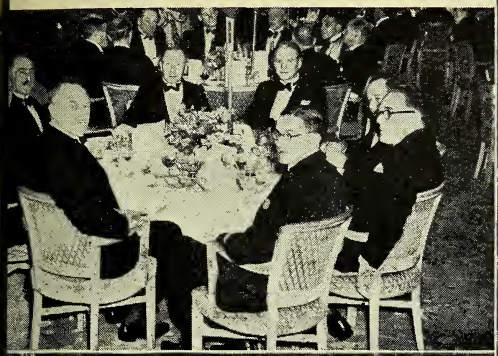


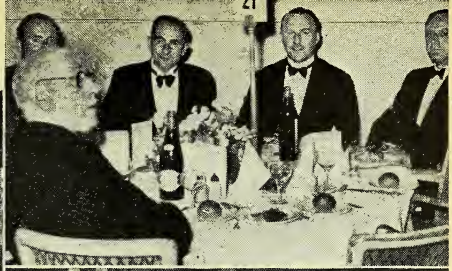
British Chemical Manufactur

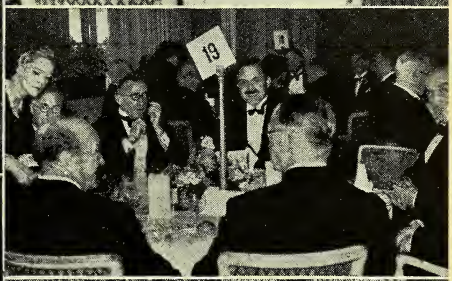
London





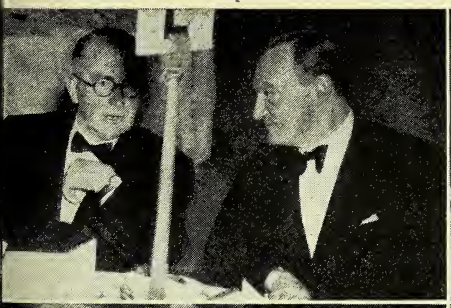


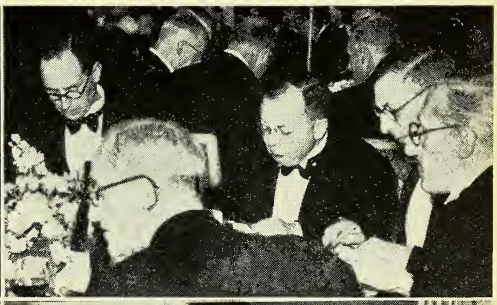


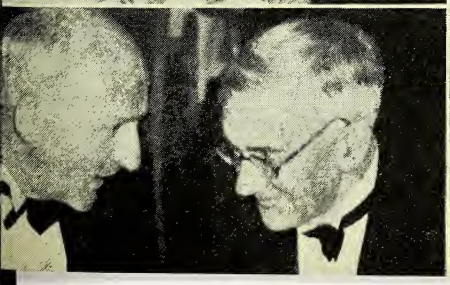


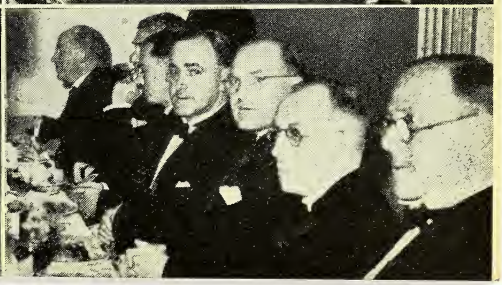
their Annual Dinner

October 1948









CHEMICAL MANUFACTURERS' DINNER

THE annual dinner of members of the Association of British Chemical Manufacturers was held at the Grosvenor House Hotel, Park Lane, London, W.1, on Wednesday, October 13. The Chairman of the association (Sir Harry Jephcott) presided and was supported by over 450 members and their guests. Among those present were Mr. Harold Wilson (President of the Board of Trade), Sir Frederick Bain, Sir Robert Robinson, Sir Ian Heilbron, Mr. G. E. Howard, Dr. F. H. Carr, Mr. F. G. Pentecost, Mr. I. V. L. Fergusson, Mr. L. P. O'Brien, Mr. L. P. B. Merriam, Mr. Victor Blagden, Mr. C. A. O. Rideal, and many other representatives of the chemical industry, Government departments and commerce. SIR HARRY JEPHCOTT, in proposing the toast "The Guests," expressed the pleasure of the Association in having so many distinguished guests. Continuing, Sir Harry said the chemical industry had been called upon to play its full share in the effort which the country is making to regain economic freedom. The industry had, however, somewhat different terms of reference from those of many other industries. "This, our principal guest [Mr. Harold Wilson] was at pains to make very clear when he met the various sections of the industry. We were told that the duty of the chemical industry was threefold—the first to provide the essential domestic needs; the second to provide the essential chemical requirements of those industries the export value of whose manufactured products exceeded that of the chemical ingredients; and the third, and only after meeting both of the preceding requirements, to export to the maximum possible extent. I think it may fairly be claimed that the industry has not failed to perform its task. The export of chemicals as a whole now stands at 155 per cent. by volume as compared with 1938. This is no mean accomplishment when it is remembered that export is not to be the first, but the last claim upon the industry. Of the total chemical products sold at home, or exported, and estimated in 1947 to have a value of £233 millions, almost 90 per cent. was produced in this country or, if we exclude those chemicals which represent unavoidable imports since the elements are not to be found in this country as, for instance, potassium salts, no less than 93 per cent. were manufactured within this country. We are now planning to bring that up to 100 per cent. We are conscious of the competitic with which we are faced from our co leagues across the Atlantic, but we suff from two handicaps—the first an inad quate supply of trained and practical me not so much the bench worker as the or who, with a sound knowledge of chemi try and of chemical engineering, is seize of the urgency for the development of pu research into an industrial process an brings to the task a wide experience new techniques. We are aware of th efforts which are being made to increa the number of appropriately qualifie men and we feel sure that this situatic will be ameliorated in the course of tim An even greater difficulty, however, r lates to physical facilities. Broadly, withi the chemical industry, productivity d pends upon plant capacity. To overcharg plant is commonly to court disaster, to r duce output and efficiency, not to increa them. Increase in production rests upo the availability of plant and, by plant, w mean not merely the particular vessel, th still, the filter press, the centrifuge; w mean also the physical means of suppor ing them in relation to other pieces plant and the protecting of them -again the elements. Chemical plant, and th means for its support and protectio against the weather, are an integral whol and for our industry it is a major misfo tune that, for Governmental purposes, suc means of support and protection are tech nically buildings and, consequently, be come the responsibility of another Mini try. This has led to frequent and mo serious delays."

Economic Freedom

Concluding his speech, Sir Harry sai "We are passing through stirring time times which are a challenge to us al whatever our individual duties and re ponsibilities—time no less pregnant in th industrial than in the political sense. Th challenge will not go unanswered and am convinced that there is one matte upon which we are unanimous and com pletely united. We shall, one and all, d everything which lies in our power to has ten the day when this country, of whic we are all so rightly proud, has gained it complete economic freedom and ca stand amongst the nations of the worl dependent upon no one, but co-operatin with every nation of goodwill, for th betterment of all."

Mr. Harold Wilson, responding, congratulated the Association and the great industry it represented on its post-war achievements. He said: "The chemical industry is one of the industries playing the greatest part in our national recovery. The main task of the industry—by common consent of both the industry and the Government—is to keep essential supplies going for our home industries; but this has not prevented the industry from making its great direct contribution to the export drive. By value, their exports had risen from £22¼ millions in 1938, to an annual rate of £80 millions in the first half of this year. In terms of volume, exports of the industry in the first half of 1948 were 52 per cent. above the figure for 1938, and for July and August they were about 67 per cent. above the 1938 figure. The indirect contribution of the industry to exports is immeasurable, and we must not overlook the great indirect contribution to the saving of imports—particularly in agriculture, through fertilisers and plant protection products. In these ways the industry has great dollar-saving potentialities, and there are many important projects in being which will eliminate the large amounts of organic chemicals and plastic materials which in the past have been imported from North America. Expenditure has been in the region of 60-70 million dollars a year, and this will, we are confident, in future be greatly reduced and in the case of many products, eliminated."

Dollar-saving Scheme

"In this period of necessarily severe restrictions of capital building, important dollar-saving chemical schemes have still gone on, and it is in the chemical industry that some of the most important war-time and post-war developments have taken place. Building plans in the industry amount to well over £200 millions by 1952—for expansion of production of alkalis, synthetic fibres, fertilisers, plastics, dyestuffs, carbon black, and a wide range of miscellaneous inorganic chemicals. Production of dyestuffs is already over 50 per cent. above pre-war; plastics output is well over three times that of pre-war, and is to be increased still further in the next four years. Some of these new plants are already nearing completion: when all are working the net result will be that, with a few exceptions, we shall be self-supporting in the main items of chemical production, and in some products we shall have a substantially increased margin for export. There are also several major projects afoot, linked with the planned expansion of United Kingdom refinery capacity, for cracking oil for chemicals. These developments, taken together, will represent a notable contribution to the solution of our own balance of payments difficulties within the next four years and will enable us to reduce the dependence of other European countries on dollar imports. The chemicals development plan, therefore, forms an important item, along with the other major industrial development plans, in the four-year programme which the Government have submitted to the Organisation for European Economic Recovery."

In the course of his speech proposing the toast of "The Association," Sir Ian Heilbron made a strong appeal for unceasing and long-term research, in support of which he said: "If we are to secure a leading position as a producer of fine chemicals, we dare not relax our efforts on long-term research. Moreover, of equal—perhaps, indeed, of greater importance, at the present time — are the claims of national safety, for our very existence may well depend on keeping ahead of other nations in scientific discovery. In these connections it cannot be too strongly emphasised that our Universities are playing a full and worthy part in providing men of the calibre we so surely need. What I am more disposed to question is whether the industry always uses them to the best advantage. I feel that there are still too many firms who deny to the scientist any effective voice in the formulation of policy. It does not often happen that either an individual or a country is given the chance to make good lost opportunities. Today, however, the door stands open for this country to establish on the production side the pre-eminent position to which her scientists' original discoveries entitle her. I am convinced that, given resolute determination and real leadership, there is absolutely no obstacle to our becoming one of the foremost producers of fine chemicals in the world."

Responding, Sir Frederick Bain (vice-chairman of the Association) said they were fortunate in having as their chairman Sir Harry Jephcott, whose experience, ability and capacity for work were a great asset. Sir Frederick also paid a handsome tribute to the director, the joint managers and the staff, whose efficient and willing services had been a leading factor in the undoubted success of the Association.

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OL. CL OCTOBER 23, 1948 No. 3583

hemical Industry Development

RIOR to 1914 the British chemical indus- y was the prey of continental manufac- rers and this country the dumping ound for surplus production. At home e industry was unprotected and abroad productions were shut out by high riff walls. In consequence only those ry few sections of the industry which had natural economic advantage were able maintain their position in the face of reign competition. The consequent disas- ous situation which was disclosed during e 1914-18 war, particularly in regard to harmaceutical, technical and analytical hemicals, led to the inception of the Key dustry Duties. The benefit derived from is legislation by the industry and its lue to the nation in time of stress was undantly demonstrated during World ar II, when, it may rightly be claimed, e industry met the many and enormous mands made upon it. At that stage in development the industry had taken its ace amongst the world's leading produ- rs of chemical substances of all descrip- ons.

Today, only three years after the con- usion of its efforts on war-time produc- on, the industry, as a result of greatly creased attention to research, has to its edit many remarkable discoveries, most which have already been put into pro- uction on a commercial scale. The indus- y has, in fact, kept pace with the un- asing scientific developments of the pre- nt age. It might well have made even eater progress, as the chairman of the Association of British Chemical Manufacturers (Sir Harry Jephcott) pointed out (p. 535) at the annual gathering of its members, but for difficulties and delays in obtaining permits for the erection of buildings to house plants. In the course of his speech at the manufacturers' dinner, the President of the Board of Trade (Mr. Harold Wilson), commenting on the subject of building restrictions, pointed out that, besides the insistent demands of housing authorities and for bomb-damage repairs to housing, every industry was clamouring to be allowed to get on with the erection of new factories and repairs and extensions to old ones. The needs of the chemical industry, said Mr. Wilson, had been given considerable priority in this matter, the Government recognising its importance economically and nationally. The Minister followed up this statement with an outline of the building plans for the chemical industry, which up to 1952 are estimated to cost £200 millions. "These developments," he added, "will represent a notable contribution to the solution of our own balance-of-payments difficulties within the next four years."

The chemical industry has, moreover, played a notable part in the success achieved in the country's drive for exports. Its unique position as a provider of materials for almost every industry producing finished goods has been particularly onerous. Despite the fact that, before it could commence to sell its products in overseas markets, the industry had first to provide essential domestic needs, and secondly to meet the many and varied chemical requirements of those industries, the export value of whose manufactured products exceeded that of the chemical ingredients, it has succeeded in shipping to the world's markets chemical products to the value of no less than £7 millions a month this year.

As a means of dollar-saving—by supplying more and more raw materials to home manufacturers, and so avoiding imports—and as a dollar-earning factor—by increasing its volume of direct exports—the chemical industry has established itself as a great national asset whose present value is recognised and whose potentialities are immeasurable.

Temporary Filling

The decision of the recent Conference of Pharmaceutical Committee representatives (see *C. & D.*, September 2, p. 396) to reject averaging as a basis for the payment of chemists' accounts under the National Health Service, left—as was pointed out from the platform at the time—a hiatus in the arrangements for pricing during the month of October. Like a hollow tooth, the situation called for at least a temporary measure to prevent sepsis or breakdown before the final and agreed steps could be taken to end the chronic toothache of delayed payment. The nature of the temporary filling to be applied has now been announced. In a memorandum (E.C.N.5) issued to Executive Councils, the Minister of Health gives his decision—taken after consultation with the Central National Health Service (Chemists' Contractors) Committee — that payment for October shall be on the basis of pricing in full. Lest any should hail this as a victory in principle for the point of view so widely insisted upon by representatives from the floor of the Conference, it has to be pointed out (a) that the pricing will be according to the July method (dispensing fees + 161.5 per cent; Tariff prices + 33 per cent.); (b) that the task of implementing the decision is thrown on pricing offices already overwhelmed with arrears of work; and (c) that the future is as problematical—pendding a further announcement from the Ministry and possibly a further Conference —as ever it was.

A grain of comfort is forthcoming in the further instruction that the system of payment on account, where adopted, is to continue to operate, especially since a second memorandum (see p. 522) increases from 1s. 8d. to 1s. 10d. the advance payment per prescription and expresses confidence that, where September payments have not yet been made, the higher figure will be adopted for that month also. The whole problem is gradually becoming more urgent now that many chemists are finding, as a result of N.H.S., that less money is passing over the counter. The sooner a final scheme is worked out the better for all concerned, for we feel sure that the staffs of pricing offices no less than pharmacists are dissatisfied with things as they are.

French Exports Under the Devaluation

The devaluation of the French franc *vis vis* all currencies other than the Ameri dollar, Swiss franc and Portuguese escu was announced on October 17. Under new system a cross rate of $4.03 for between dollars and sterling will, for trading purposes, govern the relat between dollars and sterling. The pro sional rate of the pound sterling has b raised from 855 francs to 1,055 francs buyers, and 870 francs to 1,070 francs sellers, until the end of October. Thereaf the rates for sterling and all other curr cies, with the exception of the three m tioned, will be fixed at the beginning each month on the basis of the average me rate of the dollar on the "free" mar during the last seven days of the preced month, and the official parities with dollar. Should, however, the value of dollar on the "free" market vary dur the month by more than 5 per cent. fr the average which was used for the previ month's revision of rates, it will beco the basis for a new rate for the vari currencies and this rate will continue the rest of the month unless a further fl tuation of the same extent occurs in "free" dollar rate. The French Afric franc which circulates in West and Equat ial Africa has been raised from French 1.70 to fr. 2, but the rates for the Paci franc and the French rupee in terms foreign currencies have not been modifi but will be established at the beginning each month. The devaluation will prev European buyers from acquiring goods fr the sterling area for resale in dol countries at prices below those which co be quoted when the trade was effect direct. Since the previous devaluation January, French internal prices have ris considerably, and the French Treasury ta the view that the new alignment of t franc will stimulate exports. On Fren chemical exports it is early to form opinion as to the effect, but rapidly incre ing costs of production may absorb some the advantage given by the exchange ra It is doubtful whether perfumery expo will be greatly increased by the chan Prices of French essential oils and cru drugs, however, may possibly decline.

INSECTS AND INSECTICIDES

By M. J. Way, B.A.

(Entomologist, Insecticides Department, Rothamsted Experimental Station)

4. Recent Insecticides

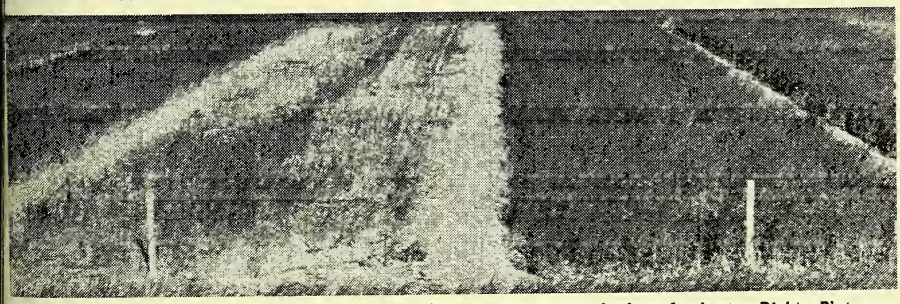
THE considerable amount of research conducted during and after the 1939-45 war on DDT has given us a ood estimate of the potentialities and disdvantages of the compound. Although uch work still remains to be done on e substance, DDT has become a wellstablished insecticide and it is no longer onsidered new. Numerous insecticidal aterials have been discovered since the dvent of DDT, however, and research has own that several of them are likely to e important insecticides in the future. An utstanding material about which a great eal is already known is hexachlorocyclexane (hexachlorbenzene), known comercially as Gammexane. It consists of a ixture of five isomers of which only the amma isomer (comprising about 12 per ent. of the manufactured product) is inecticidal. The insecticidal value of the ompound was discovered in Britain in 942 as a result of a search for a synthetic aterial to control the turnip flea beetle, hen supplies of derris formerly used had een cut off by the Japanese capture of Malaya.

Hexachlorbenzene

Apart from pyrethrum, gamma-hexachlorbenzene is probably more widely destructive to all species of insect than any ther insecticide known at present. Not nly is it a powerful contact and stomach oison, but it has a significant vapour pressure and can act as a fumigant. Unlike DDT, it is destructive to aphids (green-fly and black-fly) and to such household pests as cockroaches and crickets. The gamma isomer is about one hundred times more toxic to locusts and ten times more toxic to mosquitoes than DDT. As a combined contact poison and fumigant at a concentration of 0.4 parts per million, it is highly destructive to the granary weevil, whereas about 6 parts per million of DDT is required to have the same effect. Only against certain caterpillars does it seem to be less effective than DDT (which is about four times more toxic). In agriculture its chief value is in the control of flea beetle and wireworm. Against the latter pest it is the only insecticide which shows promise of providing economic control. Certain soil fumigants are destructive to wireworm but the cost of material, machinery and labour generally outweighs the increased value of the food crop that is obtained by their use. Dressing of grain with hexachlorbenzene prior to drilling is a simple, inexpensive operation which considerably reduces wireworm damage to the plants (see illustration below). Hexachlorbenzene is compatible with normal fungicide dressings.

Disadvantages

Unfortunately hexachlorbenzene has a number of disadvantages—notably its property of tainting certain foodstuffs. Root crops are particularly susceptible, and soil treatment or treatment of the foliage may cause an unpleasant earthy flavour in such crops as potatoes or carrots. In the soil the insecticide is very persistent. Not only does it retain toxicity to insects but it may taint potatoes planted in soil which was treated with Gammexane two years previously. Plums or apples may be tainted if



Part of an experiment on wireworm control. Left: Untreated control plot of wheat. Right: Plot sown with seed which had been previously dressed with hexachlorbenzene.

the young fruit are sprayed with the insecticide. It is interesting that the taint is more noticeable in cooked than uncooked foods. Grain and vegetable crops are not tainted, though cows fed on treated cabbages may possibly produce tainted milk. The compound's rather unpleasant odour and tainting properties are reasons for its being an unsatisfactory household insecticide. In addition there is the problem of danger to beneficial insects. A honey bee may be killed after eating 0.00005 mgm. of the gamma isomer. The equivalent dose of DDT is about 0.007 mgm. Bees may be killed by contact for less than a minute in open blossom treated with the insecticide. It is clear, therefore, that hexachlorbenzene is a serious danger to the bee population unless it is used with care. Thus, although gamma-hexachlorbenzene is more toxic than DDT to many pest insects, it lacks a number of ideal qualities possessed by DDT, and it is unlikely to supersede that insecticide at present. Elimination of the factor which causes tainting would probably make it a serious rival to DDT.

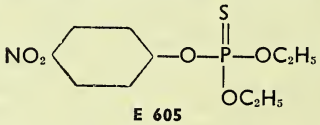
Chlordan (see *C. & D.*, September 4, p. 301) and toxaphene are two chlorinated hydrocarbons which have recently been developed in the U.S.A. The former seems to be of particular value in control of grasshoppers, and although it has shown promise against other insects, it is unlikely to compete with DDT in this country. Toxaphene, which is a chlorinated camphene of unknown composition, is said to be the only single insecticide which will control all the main cotton pests. In England it has shown no outstanding properties.

Hexaethyl Tetraphosphate

Phosphoric esters were developed in Germany during the 1939-45 war as offshoots of work on chemical warfare, and those in current use are highly toxic to mammals. The fact that they can be absorbed through the skin is a danger, but at spraying strength (e.g. diluted in water) they are safe so long as care is taken not to inhale sprays or dusts. Hexaethyl tetraphosphate is the ester that has been most extensively studied and is now in commercial production in this country. It consists of a mixture of substances of which the principal active constituent is said to be tetraethyl pyrophosphate (see *C. & D.*, September 18, p. 372). Hexaethyl tetraphosphate is principally important in control of aphids (greenfly and blackfly) and red spider mites. Against aphids it is about ten times more effective than nicotine. Its toxicity to active stages of red spider is important because this insect is remarkably resistant to practically all generally used insecticides. Like nicotine it is relatively ineffective against caterpillar pests. Disadvantages are that in water it is hydrolysed relatively quickly to form a non-insecticidal compound. Consequently it has to be used directly after mixing with water. Unlike nicotine it is not compatible with lime sulphur which is often sprayed in combination with nicotine as a combined aphicide-fungicide. However, with the present shortage of nicotine, hexaethyl tetraphosphate is likely to be of importance in aphid control.

E 605

Another German insecticide at present in the experimental stage is a phosphorus compound which at present has no name, but is labelled E 605. Present information



E 605

shows that it has outstanding toxicity to a wide range of insects. It is about three to four times more toxic than DDT to various caterpillar pests, 100 times more toxic than nicotine to certain aphids, and also highly toxic not only to the active stages, but also to the egg stage, of red spider, a property of considerable importance. Reports suggest that it is not so dangerous to mammals as hexaethyl tetraphosphate. One of its properties is that it can be absorbed by plants from the soil and in this way will destroy insects feeding on the plants. Perhaps it may present a danger to mammals feeding on treated plants, particularly as it is persistent in the soil and within the plant. However, there is little doubt that it will be an important weapon for pest control.

Though the last eight or nine years have shown great strides in pest-insect control, the search for new insecticides continues. We are still a very long way from discovering the ideal agent.

Spread of Potato Virus Disease.—The Agricultural Research Council has issued a report (No. 7) on the spread of virus diseases in the potato crop. It may be obtained from H.M. Stationery Office, York House, Kingsway, London, W.C.2, price 5s.

PHARMACEUTICAL SOCIETY OF IRELAND

Seventy-third Annual Meeting

T the seventy-third annual meeting of ie Pharmaceutical Society of Ireland, eld in Dublin on October 11, Mr. P. A. RADY (president) declared the following x outgoing members of the Council re-ected for a further term of three years: Iessrs. M. Costello, R. Daly, P. Brooke-Kelly, J. P. Kissane, T. C. Scott and Sena-or F. Loughman. Mr. Anthony A. Toher, ligo, was declared elected to fill the acancy created by the decision of Mr. . K. Whelehan, Mullingar, not to seek e-election. Apologies for absence were eceived from Messrs. Lyall G. Smith, J. A. O'Rourke, J. K. Whelehan and Fred torey.

The president, in the course of his ddress, said the Society had continued to lourish since the previous annual meet-ng, when membership had attained a ecord level. A further increase of thirty-our, making a new record of over 900 nembers, was gratifying, particularly in iew of the increased membership fee. There were about 1,774 licentiates on the egister: why only about 50 per cent. of hem were members of the society was lways mystifying, in view of the privileges of membership. Mr. Brady appealed to all eligible non-members to join the Society.

In the past twelve months, continued Mr. Brady, seventy-four candidates had been successful in the licence examination (compared with sixty-seven for 1946-47). The figures for the assistants' examination had also shown an increase (eighty-one against seventy-seven in the previous year). Many members would have read in the Press letters calling for State control of the Society's examinations. Actually, State control was already in practice and a State representative could be present at all examinations. An analysis of the examination results showed that the variation in the number of passes relative to the number of entries, was only 2 per cent.

Education Plans

A criticism that was levelled at the Council with more justice was that the syllabuses had not been kept abreast of the changes in the practice of pharmacy. Several years ago an educational subcommittee had been formed to investigate the curricula of the Society and to consider in what way the existing scheme could be modified. Education experts (Dr. O'Rahilly and Professors Bayly-Butler, John Keane and Arthur F. Collins) had been invited to submit plans for improvement of the courses. A vast quantity of material had been sifted and various courses considered. At all times the people responsible for the drafting of such schemes had to compromise between the ideal course and the course it was possible to implement. Mr. Brady had suggested that the subcommittee should be replaced by a permanent Education Committee which could use the data collected over the years and which would not be affected by changes in the composition of the Council. The Education Committee had met frequently during the year, inviting the Society's examiners and lecturers to be present when necessary. Mr. Brady paid tribute to the unselfish work of the Committee. The results of the meetings should soon become apparent. Already sessions for the different subjects had been extended, some by as much as 50 per cent. The new syllabuses had been drafted with a view to changed pharmaceutical conditions and the requirements of the new British Pharmacopœia. Students would be shown newer processes and would be given a training designed to equip them for the problems they would encounter in later life. Provision had been made for students who had already qualified, even those who qualified many years ago, to take post-graduate courses. The course conducted early in the year had been highly successful and a second was to be held shortly.

Apprenticeship Problems

Some members had expressed concern about the difficulty in procuring apprentices since the introduction of the pre-registration examination; others had expressed concern about the large number of entrants to pharmacy. The truth lay half-way between the two extremes. Last year sixty-six apprentices had been registered; in the current year, 131. The pre-registration examination would not discourage a student who was determined to take up pharmacy as a career. The students who were now entering the profession were young people with a good standard of education (covering six compulsory subjects) and with a knowledge of science subjects that would make their subsequent studies less arduous. Without the preliminary training now being insisted upon, it would not be possible for a student adequately to study the course.

The Society had been active, in the interests of the public and of its members, in prosecuting persons selling scheduled poisons without authority. A number of cases did not reach the court, but members could rest assured that the offenders had found it wise to mend their ways.

Mr. Brady then congratulated Senator Frank Loughman on his success in the recent Senate elections.

Because of the unstinted support and loyalty of every member of the Council, Mr. Brady said his year of office had been pleasant. There had been more committee meetings than usual and the interest and energy displayed by his colleagues, who all had businesses to look after, had been really remarkable. Country members were now enabled to attend committee meetings. and the value of their contributions had been reflected in the progress made.

The president referred with regret to the deaths of Mr. Bartholomew Sullivan, Mallow, and Mr. George H. Batt, Sandymount, and expressed sympathy to the relatives.

Mr. Whelehan's Retirement

He then announced that Mr. J. K. Whelehan, his predecessor in office and an experienced Council member, had decided not to seek re-election. His departure would be a definite loss, but his knowledge would be at the disposal of the Council whenever needed. Mr. Brady then welcomed Mr. A. A. Toher, Sligo, who was to fill the vacancy created by Mr. Whelehan's retirement.

Concluding, Mr. Brady paid tribute to the office staff, the registrar and his assistant, to Mr. Hugh Smith, and to the College staff.

Moving the adoption of the president's report, Mr. J. J. Roche (president, Irish Drug Association), said members were greatly indebted to the president and members of the Council for the work they were doing in keeping the Society in such a healthy and progressive condition. Few realised the work that had to be done and the time that was spent attending Council and committee meetings. All would agree that changes in the educational courses were necessary to keep up with modern practice in pharmacy. He welcomed further post-graduate courses, and urged members to put forward suggestions for the courses they had in mind.

Mr. D. J. Nugent, seconding, wished the president and members of the Council every success in the coming year.

Mr. A. F. Collins associated him with the president's tribute to the re trar, whose arrangements for the exami tions had been excellent. From his o experience as an examiner, he conside the examiners were fair to all candida The president, who had a reputation fairness, had always been present, and examinations had been conducted in completely impartial manner. The cou for botany and materia medica had b revised and brought up to date, a zoology had been introduced.

The President answered a number queries from Mr. F. M. Mallen as to number of passes in examinations and percentage of failures, the numbers refer in particular subjects, and the numb presenting themselves for the first ti and said the system of examination lowed by the examiners was quite fair. his own experience candidates who kn their work had no difficulty in passing.

Mr. M. V. Sargent suggested t students who passed in one particular s ject in their final, but were weak in oth should be given credit for the subject t passed in and allowed to concentrate their weak subject for the next exami tion. The President explained the ex ing provision for referring a candidate a particular subject.

Examination Standard Criticised

Mr. M. F. Walsh said that, in his vi too many candidates were passing the fi examination. The standard of the lic tiate examination was inadequate and behind that of pharmaceutical societies the neighbouring islands. Pharmacy Eire had been successful as a busin rather than a profession. He would l to know what had been done about a c of ethics, especially to control advertis in buses and at railway stations. Th was also an urgent need for controll such potent substances as the œstroge which should be on a schedule to restr their sale to prescriptions only; to m them Part 1 preparations was not su cient. In the balance sheet was an it of £24 14s. for a library; on such a sm sum the Society could have only a p library. He would like to see an adequ library where licentiates could read sci tific books and journals in comfort. T present premises were unsuitable and c not afford sufficient class room, and t Society should leave them as soon as p sible. Chemistry should be up to B.S Honours standard, and lectures should

ven, under the auspices of the Society, at would bring in another 800 members. He was glad the president had tended the annual meeting of the British harmaceutical Conference; relations with e pharmaceutical bodies of nearby untries should be strengthened.

Mr. Collins said that in England, nder the National Health Service Act, emists had put up no fight at all and, a result, had fared worse than the ctors or the opticians. He asked whether, the Government in Eire had tried to troduce a similar Bill, the chemists would ave been able to put up a better fight.

he President said the Society had reived an assurance from the Department Health that if any legislation that conrned pharmacists were introduced, the ociety would first be consulted. There id not appear to be any immediate move nticipated. Scottish chemists had made better bargain than those in England nd Wales, but the chemists in Northern eland had done best of all.

When Mr. Mallen suggested that terinal examination should be made more ifficult so as to prevent students who ere not fully prepared from making two r three attempts at the final, Mr. G. C.)'Neill said students would not favour uch a course, particularly those who had o serve their apprenticeship at the same ime as they were studying.

urpose of Examinations

Mr. Walsh asked about the Council's olicy towards the over-crowding of the rofession. The final examination should be nade harder rather than easier. The President said it was a question not of making he examination easier or harder, but of inding whether a student knew his work, had completed the course and was fit to be qualified, irrespective of over-crowding. Mr. Collins explained the difference between the pharmaceutical and the university examinations. The Society's examination, he said, was aimed at eliminating those who might be a menace in ordinary pharmaceutical practice. Lieutenant S. Fox thought there were so many failures because apprentices had so little time for study. In Northern Ireland apprentices were allowed time off during the day to attend lectures, and in their third year worked only about twelve hours a week in the pharmacy. More time for study should be given to apprentices in Eire. Pharmacists did not read sufficient scientific literature to keep up with latest advances. He paid a tribute to the Society's past-presidents.

Dr. J. C. Dowling suggested that the Council should consider reviving the scholarship scheme for students. Allowing apprentices time off in the day to attend classes might not be consistent with a *bona-fide* apprenticeship. The report was unanimously adopted.

Finance—" A Brighter Picture "

Mr. John Gleeson (treasurer), submitting his report, said he had a somewhat brighter picture to present than in 1947. Income at £5,290 showed an increase of over £1,000, whilst expenditure at £4,022 had increased by £485. The financial year had closed with a surplus of £1,268. All items of income, except registration fees, had shown an increase. The decrease in fees had been partially explained by the reduction in the assistants' examination registration fee from £3 3s. to £2 2s. Members' subscriptions at £1,726 showed an increase of £329. Other receipts were: preliminary registration fees, £457 (an increase of £180); examination fees £1,290 (an increase of £402); school receipts £319 (an increase of £153). The post-graduate course had left a surplus of £34, and it was the Council's intention to devote any surplus from such courses to the purchase of equipment for future courses. Income from investments at £379 showed an increase of £27. Registration fees at £1,050 were down by £89. Expenses were £4,027 (against £3,537). The largest item of increased expenditure had been salaries and wages. The balance sheet showed cash in hand at £90 and cash in bank at £218. Investments totalled £14,472 (market value £14,857). The value of the premises was placed at £1,688 (same as in 1947). Surplus for the year was £1,268. The auditors had expressed appreciation of the neat and accurate manner in which the books had been kept, and of the valuable assistance received during the audit from Mr. Coleman and Miss McCarthy.

Mr. F. J. Robinson, moving the adoption of the treasurer's report, said it was a pleasure to see the Society go from strength to strength. Mr. J. J. Bridgeman, seconding, said the report reflected great credit on the treasurer. The income from members and associates would be greater if the Society could offer more facilities. Mr. R. Daly, supporting, said he welcomed the continuation of post-graduate courses but more notice should be given for the benefit of country members. The report was unanimously adopted by the meeting.

(*To be continued.*)

COMING EVENTS

Monday, October 25

DARTFORD BRANCH PHARMACEUTICAL SOCIETY, Technical College, Dartford, at 7.30 p.m. First lecture in refresher course (fee for course, £1 1s.; particulars from Mr. G. H. Sheard, 267 Princes Road, Dartford).

Tuesday, October 26

DUNDEE AND EAST AND CENTRAL SCOTTISH BRANCH, PHARMACEUTICAL SOCIETY, Pharmacy Department, Technical College, Bell Street, Dundee, at 7 p.m. First lecture in post-graduate refresher course.

FINCHLEY DIVISION, NORTH LONDON PHARMACEUTICAL ASSOCIATION, Library Hall, North Finchley, at 8 p.m. Mr. J. T. Marsh, M.P.S. (Glaxo Laboratories, Ltd.), on "The Production, Control and Use of Liver Extracts."

GREAT YARMOUTH BRANCH, NATIONAL PHARMACEUTICAL UNION, The Red House, 40 Market Place, Great Yarmouth, at 8 p.m. Mr. Charles Beaven, Ph.C., A.R.I.C. (Parke, Davis & Co.), on "The Riddle of Allergy" (illustrated by lantern slides).

LEEDS BRANCH, PHARMACEUTICAL SOCIETY, Metropole Hotel, Leeds, at 7.30 p.m. Mr. H. G. Rolfe, B.Sc., Ph.C., F.R.I.C., on "The British Pharmacopœia, 1948."

Wednesday, October 27

CHESTER CHEMISTS' ASSOCIATION. Visit to Chester waterworks, meeting at Spital Walk entrance at 2.30 p.m.

GLASGOW AND SOUTH-WESTERN SCOTTISH BRANCH, PHARMACEUTICAL SOCIETY, Marlborough House, Glasgow. Semi-jubilee dinner, 7 p.m.-midnight.

MANCHESTER PHARMACEUTICAL ASSOCIATION (JUNIOR SECTION), Burlington Café, Oxford Road, Manchester, 7-10.30 p.m. Social and dance.

READING BRANCH, PHARMACEUTICAL SOCIETY. Visit to Glaxo Laboratories, Ltd., Greenford, at 3 p.m.

SHEFFIELD BRANCH, PHARMACEUTICAL SOCIETY, Channing Hall, Surrey Street, Sheffield, at 7.45 p.m. Annual meeting.

WEMBLEY CHEMISTS' ASSOCIATION, Oldfield Hotel, Wembley, at 6 p.m. Third annual dinner and dance.

WESTERN [LONDON] PHARMACISTS' ASSOCIATION, and NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, 17 Bloomsbury Square, London, W.C.1, at 7.30 p.m. Miss J. Barnes, F.R.C.S., M.R.C.O.G., on "Sex Homones"

Thursday, October 28

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN, 17 Bloomsbury Square, London, W.C.1, at 7.30 p.m. Dr. C. H. Hampshire (secretary, British Pharmacopœia Commission), on "The British Pharmacopœia, 1948" (introduction to course of seven weekly lectures on different aspects of the Pharmacopœia).

BRADFORD BRANCH, PHARMACEUTICAL SOCIETY, New Victoria Ballroom, Bradford, at 7.30 p.m. Whist drive and dance (tickets 3s. 6d. each).

CHESTER BRANCH, PHARMACEUTICAL SOCIETY, Blossom's Hotel, Chester, at 8 p.m. Dr. W. H. Grace (Home Office pathologist) on "Some Problems in Forensic Pharmacy."

NEWCASTLE AND NORTHUMBERLAND BRANCH OF THE PHARMACEUTICAL SOCIETY, Crown Hotel, Clayton Street Newcastle, at 7.30 p.m. Address by Mr. G. H. M. Graham (chairman, National Pharmaceutical Union).

CHEMICAL SOCIETY, Burlington House, Piccadilly, London, W.1, at 7 p.m. Sir Robert Robinson (president of the Royal Society) on "Strychnine, Brucine, and Vomicine."

ASSOCIATES' SECTION, ULSTER CHEMISTS' ASSOCIATION, Kensington Hotel, College Square, Belfast, at 8 p.m. Annual meeting.

DUBLIN PHARMACEUTICAL STUDENTS' ASSOCIATION, 67 Lower Mount Street, Dublin, at 8 p.m. Annual meeting.

Friday, October 29

ASSOCIATION OF BRITISH CHEMICAL MANUFACTURERS and ROYAL SOCIETY FOR THE PREVENTION OF ACCIDENTS. Chemical Works Safety Conference Grand Hotel, Harrogate (continuing until October 31).

Monday, November 1

SOUTHAMPTON BRANCH, PHARMACEUTICAL SOCIETY Polygon Hotel, Southampton, at 7.30 p.m. Mr D. G. Ardley (Pharmaceutical Specialities (May & Baker), Ltd.) on "Recent Developments in Chemotherapy."

NATIONAL ASSOCIATION OF OPTICIANS is holding its annual dinner and dance at the Midland Hotel Manchester, on Wednesday, November 10. Tickets may be obtained from the secretary, 130 Princes Road, Liverpool, 8, or from Mr. T. A. Perkins 176 Moseley Road, Fallowfield, Manchester, 14.

FIFTY YEARS AGO

"Deep River" of Export Trade

(From the C. & D., October 22, 1898)

THE Blue-Book on Foreign Trade Competition lately issued by the Board of Trade and briefly mentioned by us last week, is uncomfortable reading for Britishers. The compiler has evidently done his work with an almost malicious resolution to spare the poor home manufacturer no fraction of the dose which he thinks it necessary to administer. He has searched through the Consular reports on trade of the past two or three years, and has brought together one hundred and seventy-one extracts from them showing with painful monotony, and we are afraid we must agree with far too evident force in many cases, how negligent and incompetent we are showing ourselves on the markets of Europe, Asia, Africa and America. The picture is too vivid, for it it fully and fairly represented "British Trade Methods" as it pretends to do British export trade would not survive another decade. It happens to be still far and away the biggest thing of the kind on earth, and it does not maintain the premier position on mere reputation. Our Consuls hear from discontented customers, and instances of stupidity, blundering, and incapacity are more likely to be discussed than the regular course of trade which flows on like a deep river.

CORRESPONDENCE

Correspondents may adopt an assumed name for publication but must furnish their real name and address to the Editor

Tax on Air-cushions

SIR,—We feel we must express our protest that the rate of purchase tax on rubber air rings is at 66⅔ per cent. Surely they are no less important than hot-water bottles, which are at only 33⅓ per cent. Can anything be done about these unfair anomalies ?

Yours faithfully,
H. W. SELBY, LTD.,
Haywards Heath. G. HEANOR, *Director.*

Instability of Picrotoxin Solutions

SIR,—Your report of my reply to Mr. Allport, during the discussion on the British Pharmaceutical Conference Science paper " Instability of Picrotoxin Solutions " (*C. & D.*, September 25, p. 417), may give rise to a false impression on the part of your readers. Mr. Allport said that picrotoxinin was active and picrotin inactive, and that if the breakdown was approximately 50/50 the resulting solution would be less active. The point which I wished to make in my reply was that because the *L.D.* 50 of picrotoxinin is half that of picrotoxin (i.e. it is twice as toxic), and picrotin is inactive, the theoretical result of a mixture of these two breakdown products in approximately equal parts would be that its final toxicity would be the same as that of picrotoxin. But, in practice, we found that our partially decomposed solutions in an alkaline medium were less toxic than the fresh picrotoxin solution, and this led me to state that the problem went much deeper than Mr. Allport suggested.

Birmingham 16. G. BRYAN.

British Studentships for Chinese Pharmacists

SIR,—Among the worth-while forms of international co-operation in the pharmaceutical world are the arrangements for pharmacists of other countries to study British methods and do research work in the United Kingdom. In recent years a number of Chinese nationals have held studentships, granted by British companies, and the visits thus made possible are, we believe, proving valuable. In this connection it may be worth mentioning that, of eight universities in China having strong links with Britain, two maintain departments of pharmacy. These are the West China Union University, Chengtu, and Cheeloo University, until recently in Tsinan, but now in Hangchow. The former's four-years' pharmacy course had, in 1947-48, an enrolment of 186 students. Both universities have British personnel on their teaching staffs, and they are eager for their Chinese colleagues to have the privilege and benefit of further study in Britain. Here is an excellent opportunity of making a real contribution to pharmaceutical progress in China, and of strengthening useful scientific links between ourselves and the Far East.

E. L. PHILLIPS, *Acting Secretary,*
China Christian Universities
London, W.1. Association.

Prescription Pricing

SIR,—Mr. J. A. Speed's article on prescription pricing merits the attention of all Pricing Bureaux and the approval of all Pharmaceutical Committees. The adoption of his suggestions would earn the thanks of every chemist contractor. It is not for us to make concessions to Government Departments to enable us to get our just reward—prompt payment. We are entitled to demand it. As, for example, literally millions of football coupons are expeditiously dealt with in the course of each week-end, the administrative problems in that field at least are not insuperable.

I regret to learn from Mr. Speed's article that a chemist had to invoke the pricing bureaux's aid when a doctor refused to " translate " his own script. One alternative (which I admit might not be possible in all cases) would be to 'phone colleagues in the area, asking each to refuse to dispense it until properly written.

Evidently names on N.H.I. forms gave trouble to checking bureaux. The result is a request to print names; it is now found that the majority of doctors accede without protest. Yours faithfully,

Anstruther. R. S. WHITELAW.

P.S.—Apropos of prompt payment I have had a N.H.S. script costing me £14 17s., which is difficult to reconcile with a payment of 2s. 6d. per form, and still more difficult to fit into any system of averaging.

Harvest of Drugs.—The harvest display at St. Ann's Church, Belfield, Rochdale, recently, included a section devoted to industry and science, with samples of insulin, penicillin and sulphapyridine.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

28 Essex Street, W.C.2, Oct. 20

MOST sections of the PHARMACEUTICAL and FINE CHEMICALS industry report an increase in trade covering a wide range of products. The principal feature during the week has been a reduction in the rates for SODIUM POTASSIUM TARTRATE of 10s. per cwt. as a result of a decline in raw material costs. In 5-cwt. lots the price is now 150s. per cwt.; 1 cwt. is quoted at 152s. 6d. The new rates are operative from October 18. Makers of SEIDLITZ POWDER have also reduced their prices in proportion to Rochelle salt content.

Activity in CRUDE DRUGS has been confined to a few articles and interest generally has been lacking, with business small in volume. IPECACUANHA has attracted many buyers and a good spot and c.i.f. trade has been passing, the market has strengthened as a result. A brisk export demand is reported for Chinese RHUBARB and Bizonia has taken considerable quantities. The spot market is firm with few shipment offers from origin; one shipper, however, is quoting new-season's root at 3s. 11d. per lb., c.i.f. ERGOT has been in good request and the market continues firm. Portuguese is offering from source at 5s. 6d. per lb., c.i.f. In the absence of any inquiry from abroad for CASCARA SAGRADA U.S. shippers are now quoting prices down to 30 cents per lb., c.i.f. for 1948 peel; the spot market is tending easier but demand for this article at present is negligible. A good business for export has been done during the past week in Alexandrian SENNA PODS and a better selection of pods is now available with new arrivals coming forward. SENEGA is an easy market; c.i.f. business is lacking as spot holders are meeting all prices. In other sections of the markets, Cape ALOES is tending easier. Rather higher prices are asked for CANADA BALSAM. A fair spot trade is noted for GUM ACACIA and lower grades of TRAGACANTH. Brazilian MENTHOL is dearer on spot with a stronger market developing at origin.

Business in ESSENTIAL OILS continues slow. Spot quotations are without material change. As a result of the devaluation of French currency (see p. 554) it is probable that a number of oils will be marked down in price when new season's supplies come on the market. PATCHOULI is tending firmer in Singapore; 21s. 6d. per lb. c.i.f. is quoted for shipment and it is understood that a fair trade has been passing at the higher prices.

The October allocation of OLIVE OIL is being made by the Olive Oil Importers Association and is at a reduced price of 26s. 2d. per gall. of 9 lb. ex store, drums included, compared with the former price of 29s. 8d. per gall.

U.S. Drug and Chemical Report

New York, October 15

ALTHOUGH pharmaceutical business continued relatively quiet over the past week numerous price adjustments were announced. Another producer of PENICILLIN reduced rates, and the cost of two chemicals used in the production of this drug—phenylacetamide and β-phenylethylamine—were both cut by twenty cents to $1.45 per lb. A six-and-a-half cent per gm. reduction in the price of RUTIN was announced; lots of 10 kilos will now cost sixteen-and-a-half cents per gm. and 5-kilo lots, seventeen cents per gm. Brazilian MENTHOL was advanced sixteen cents per lb. (to $9.15 on the inside), and small lots of Japanese and Chinese material were reported to be commanding a price of $9.35 to $9.40 per lb. A reduction of from five to ten cents per gall. in the cost of medicinal COD-LIVER OIL is expected.

Trading on the CRUDE DRUGS market continued light and limited to small quantities. It is reported that domestic collections this year are down by 50 per cent. Articles that usually meet with a good inquiry from abroad such as CASCARA SAGRADA and SENEGA are being neglected, in many instances due to payment difficulties. PERU BALSAM was marked up a further seven cents per lb. during the week, and now ranges from ninety-five cents to $1.00 per lb. HYOSCYAMUS and BELLADONNA LEAVES, and HYDRASTIS ROOT, were marked down due to lack of demand. Hyoscyamus leaves were reduced from seventy-five cents to fifty-five cents, Belladonna leaves from $1.45 to $1.25 and hydrastis root from $4.85 to $4.45 per lb.

The ESSENTIAL OILS market is reported to be showing signs of entering a period of further price reductions; several items have been shaded, including SPEARMINT, ORANGE and LAVENDER OILS, while PATCHOULI has reached its post-war record low level of $6.25 per lb.

Pharmaceutical Chemicals

BARBITONE.—Base and soluble are offered at prices from 43s. 6d. to 46s. per lb.

BARIUM SULPHATE, B.P. (x-ray).—Prices are unchanged. 1 cwt., 1s. 3d. per lb. Schedule rates per lb. (containers in brackets). for quantities between 28 lb. and 1 cwt. are as follows: 1s. 8d. (1-lb.), 1s. 7d. (2-lb.), 1s. 6½d. (4-lb.), 1s. 5½d. (7-lb.), 1s. 5d. (14-lb.), 1s. 4d. (28-lb.).

CITRATES.—Makers' rates are unchanged. POTASSIUM, 5-cwt. lots, 2s. 10½d. per lb.; 1 cwt., 2s. 11½d.; scheduled prices for quantities of 28 lb. to 1 cwt. are (containers in brackets): 3s. 9½d. (1 lb.); 3s. 8d. (4-lb.); 3s. 7d. (7-lb.); 3s. 6½d.

14-lb.); 3s. 5½d. (28-lb.); IRON AND AMMONIUM CITRATE, B.P., 7d. per lb. more; SODIUM, B.P., 3d. per lb. less; powder, 1d. per lb. extra.

CITRIC ACID, B.P.—Makers quote 1s. 5½d. to 1s. 7½d. per lb., less 5 per cent., for 1-cwt. lots, delivered in the United Kingdom.

CREAM OF TARTAR.—Supplies of British material meeting requirements. Current rates for the home trade: 10-cwt. lots, 153s. per cwt.; 5 to 10-cwt. 154s.; less than 5-cwt. and more than 2-cwt., 155s.; less than 2-cwt. and more than 1-cwt., 157s.

CREOSOTE.—B.P. quality, ex beechwood, quoted at from 7s. per lb., upwards.

CRESOL.—Controlled price of B.P. quality from distillers is 4s. 6d. per gall., ex sellers' premises.

MERCURY SALTS.—Makers' rates per lb. for 1-cwt. lots are: AMMONIUM CHLORIDE, B.P., lump, 7s. 8d., powder, 7s. 10d.; YELLOW OXIDE, B.P., and RED OXIDE, B.P.C., 8s. 4d. BICHLORIDE, B.P., lump, 7s., powder, 6s. 5d.; MERCUROUS CHLORIDE, B.P., 7s. 10d. Quotations for small quantities of MERCURY WITH CHALK, B.P., are at 4s. 9d. for MERCURIC CYANIDE, 18s. 9d., and for OLEATE, B.P., 5s. per lb.

PANCREATIN.—Price of B.P. material is from 13s. 6d. to 16s. 6d. per lb., according to quantity.

ROCHELLE SALT.—Prices have been reduced by 10s. per cwt. Current rates per cwt. for powder are: 1 cwt., 152s. 6d.; 5 cwt., 150s. SEIDLITZ POWDER, ordinary strength is quoted at 118s. 9d.; extra strong, 128s.; and double strength, 133s. 3d. per cwt.

VALERIANATES.—Prices are unchanged. AMMONIUM, 14 lb., 37s. 6d.; 7 lb., 38s. 6d.; 1 lb., 39s. per lb. AMYL, 14 lb., 23s. 6d.; 7 lb., 25s.; 1 lb., 26s. per lb. CAFFEINE, 14 lb., 105s.; 7 lb., 107s. 6d.; 1 lb., 110s. per lb. CALCIUM, 14 lb., 33s.; 7 lb., 34s.; 1 lb., 34s. 6d. per lb. ETHYL, 14 lb., 32s. 6d.; 7 lb., 33s.; 1 lb., 34s. per lb. IRON, 14 lb., 53s.; 7 lb., 54s. 6d.; 1 lb., 55s. 6d. per lb. MENTHYL, 14 lb., 57s. 6d.; 7 lb., 58s.; 1 lb., 59s. per lb. METHYL, 14 lb., 32s. 6d.; 7 lb., 33s.; 1 lb., 34s. per lb. QUININE (B.P.C.), 100 oz., 12s.; 50 oz., 12s. 6d.; 20 oz., 13s. 6d. per oz. ZINC, 14 lb., 53s.; 7 lb., 54s. 6d.; 1 lb., 55s. 6d. per lb.

ZINC SALTS.—Prices per lb. are as follows: ACETATE, B.P.C., 3s. 9d. to 4s. 1d.; CARBONATE, B.P.C., from 2s. to 2s. 6d.; CHLORIDE, B.P. (white), fused, 3s. 4d. to 3s. 8d., stick, 4s. 4d. to 4s. 8d.; IODIDE, B.P.C., 18s. 9d.; OXIDE, B.P., 11d. to 1s. 2½d., prepared from carbonate, 5s. 6d. to 6s.; PERMANGANATE, B.P.C., 9s.; SULPHATE, B.P., 44s. 6d. per cwt.; powdered, 51s. 6d. to 65s. 6d. per cwt.; exsiccated, 10d. to 1s. 1½d. per lb. The above price ranges are according to quantity.

Crude Drugs

ACONITE.—Steady and quiet. Indian on spot is quoted at 300s. per cwt.; *Napellus*, 3s. 10½d. to 4s. 3d., duty paid.

AGAR.—Continues to attract a good export inquiry. Japanese strip is steady at 16s. to 18s. per lb., duty paid, according to quality and holder; forward, 14s. to 15s., c.i.f. South African powder, in tins in cases, quoted at 20s. per lb., spot.

ALOES.—Steady. Cape on the spot continues in fair request at prices from 115s. to 130s., as to quality and seller; forward, 106s. per cwt., c.i.f. Curaçao in boxes, 200s. to 220s. per cwt., as to quality; shipment, 200s., c.i.f. Socotrine, 160s. to 180s. per cwt., spot.

ANTIMONY.—Metal prices are: 99.6 per cent., regulus, £210 per ton, delivered; 99 per cent., £200; 70 per cent. crude, £165.

ASAFETIDA.—A fairly brisk demand, with new arrivals coming forward. Persian block on spot is steady at from £15 to £24 per cwt.

BALSAMS.—A fair business reported in *Canada* and the spot market is tending firmer; offers are from 18s. 6d. to 19s. 6d. per lb. Pará *Copaiba* (soluble) is offered at 4s. 9d. to 5s. per lb., spot. San Salvador, *Peru*, is quoted at from 4s. 9d. to 5s. 3d. per lb., duty paid. *Tolu*, 15s. 6d. per lb., spot; near at hand, 15s.; 13s. 9d., c.i.f.

BELLADONNA.—Yugoslav root is quoted at from 4s. 6d. to 4s. 9d. per lb., duty paid, as to test; English leaves are offering at from 5s. 6d. to 7s. 6d. per lb., as to test.

BENZOIN.—Steady. Sumatra block on the spot is from £14 to £16 per cwt., as to quality; Sumatra almonds, £55 per cwt. Siam free almonds, spot, £120 per cwt.

BUCHU.—Short rounds on spot are quoted at 3s. 10½d. to 4s. per lb. Ovals are offered at 3s. 6d. per lb., spot.

CAMPHOR.—Chinese tablets are offered at from 9s. to 9s. 6d.; refined powder (B.P.), 7s. 9d. to 8s.; B.B. grade, 7s. 6d.; slabs (2½-lb.) from 7s. 3d.; crude powder, 6s. 6d. per lb., all spot London, duty paid.

CANTHARIDES.—Spot quotations are at about 8s. 3d. per lb.; shipment, 5s., c.i.f.

CAPSICUMS.—African on spot is offered at from 80s. to 130s. per cwt., as to quality.

CARDAMOMS.—Firm. Mangalore half-bleached A's, 9s., nominal, spot; B's, 8s., nominal; seeds, 8s., nominal. Aleppy seeds, 9s., spot, nominal; 8s. 9d. to 9s., c.i.f., per lb. Aleppy greens, 7s., spot; from 7s. to 7s. 6d., c.i.f. Ceylon seeds, 7s. 9d. per lb., nominal.

CASCARA SAGRADA.—1947 peel on spot is quoted 200s. to 210s. per cwt.; 1946, 240s. New-crop, for shipment, 195s., c.i.f., duty paid value.

CASCARILLA.—Attracting little inquiry. Quills are quoted at 1s. 5d. to 1s. 7d. per lb., spot; siftings, 1s. 4d. to 1s. 5d.

CASSIA PODS (*C. fistula*).—Prices of East Indian are around 65s. per cwt., ex wharf.

CHILLIES.—Mombasa, 110s. per cwt., spot; shipment, 95s., c.i.f.; Sierra Leone, 115s., nominal; Nigerian, 85s. to 90s., spot.

CINNAMON.—Spot quotations for 0000 are at from 2s. 9d. per lb.; quillings are offered at 1s. 4d., featherings at 1s. 3d., and chips at 5d. per lb.

CLOVES.—Zanzibar, spot, quoted at 10½d. per lb.; shipment, 11d., c.i.f. Madagascar, spot, 9d., duty paid; shipment, 7½d., c.i.f. Penang, spot, 2s. 9d. to 3s. per lb.

COCHINEAL.—Quiet. Silver greys, steady at 4s. 3d. per lb., spot, blacks, 4s. 6d.

COLCHICUM.—Corms on the spot, offered at prices from 6s. to 6s. 6d. per lb. Seeds are quoted at 13s. per lb., spot.

COLOCYNTH.—Pulp on the spot is offered at prices from 1s. 7½d. to 2s. per lb.

CUBEBS.—Spot quotations are at 3s. 9d. per lb., duty paid.

DIGITALIS.—Portuguese leaves quoted at about 150s. per cwt., spot; English, from 2s. 3d. per lb.

DRAGONS BLOOD.—Singapore reboiled No. 1, £65 per cwt., spot; No. 2, £35.

ELEMI.—Steady. Manila No. 1 on the spot is quoted 2s. 3d. per lb.

EPHEDRA.—Herb is offered at around 62s. 6d. to 67s. 6d. per cwt., ex wharf.

ERGOT.—Firm. Spot quotations are from 4s. 10½d. to 5s. per lb.; to arrive, 4s. 9d., c.i.f.

GALLS.—Steady. Persian blues quoted on spot at 260s. per cwt.

GAMBOGE.—Siam pipe on the spot is offered at £50 per cwt., duty paid.

GENTIAN.—French natural is quoted at about 60s. per cwt., spot; sliced root is offered at 75s.

GINGER.—African on spot is quoted at 80s. to 82s. 6d. per cwt. Jamaican No. 1 quoted at 125s. to 130s.; No. 2, 120s. to 127s. 6d.; No. 3, 118s. to 122s. 6d. per cwt., spot.

GUAIACUM RESIN.—Steady. Prices are from 2s 4½d. to 2s. 6d. per lb., spot.

GUM ACACIA.—A fair spot trade reported. Kordofan cleaned sorts, 65s. per cwt., ex store, London; shipment, September-October, 60s. 6d., c.i.f. Bleached No. 1, 125s., ex store; to arrive, 115s., c.i.f. Talha, 45s., ex warehouse; shipment, 40s. 6d. per lb., c.i.f.

HENNA.—Sudanese leaves on the spot are offered at prices from 115s. to 140s. per cwt. Indian is available at 85s. per cwt.; powdered leaf, 1s. 9d. per lb.

HYDRASTIS.—Spot quotation is at 49s. per lb., duty paid.

IPECACUANHA.—A firmer market. Nicaraguan on spot is quoted at from 23s. 6d. to 24s. per lb.; forward, 18s., c.i.f.

IRISH MOSS.—Steady. French sele bleached, 120s. per cwt.; No. 1, 105s.; N 2, 95s. per cwt.

JABORANDI.—Parcels on the spot a offered at from 70s. to 75s. per cwt. a upwards, according to seller.

JALAP.—Vera Cruz, spot, 2s. 6d. 3s. 6d. per lb. as to test (10 to 16 per cen resin). Brazilian (13 per cent.), 1s. 6d.

KAMALA.—Steady. Spot offers are about 2s. 6d. per lb.

KARAYA.—No. 1 gum on spot is quoted 215s.; to arrive, 205s., c.i.f. No. 2, 180 per cwt., spot.

KINO.—A parcel of Indian gum is offere at 7s. 6d. per lb., spot London.

KOLA NUTS. — African quarters a offered at from 4d. to 4½d. per lb.; halve from 2d. to 2½d. Jamaican washed halv are quoted at 3d. per lb.

LIQUORICE.—Anatolian natural, spo from 47s. to 50s. per cwt., as to holder Syrian, 40s.; Russian, 45s. to 46s. Italia block, 285s. per cwt., spot; Italian stic from £385 to £525 per ton, as to quantit and grade. Turkish block, from 235s. p cwt.; American block, 172s. to 200s.

MACE.—West Indian blade, spot, 7s. pickings, 4s. 6d. to 6s. per lb., accordin to quality.

MENTHOL.—Firm. Brazil on spot offered at 45s. to 46s. per lb., duty paid in bond, 43s.; forward, 45s. 6d., c.i.f.

MERCURY.—Steady at £15 per flask, c warehouse; shipment £14, c.i.f.

MYRRH.—Steady. Aden sorts are quote at £12 per cwt.; siftings, £6 10s. to £7 p cwt., spot.

NUTMEG. — West Indian 80's, spo 3s. 3d.; sound unassorted, 2s. 10d.; worm and broken, 1s. 9d. per lb.

NUX VOMICA.—Madras, spot, steady a 40s. to 42s. 6d. per cwt.; Mangalore, 40s. Cochin, 42s. 6d. to 45s., spot.

OLIBANUM.—Fair to good drop, fro 200s.; peas, from 190s.; good garblings 160s.; seeds, 170s.; siftings, 90s. per cw

ORANGE PEEL.—Spanish quarters, 1s. 2 to 1s. 5d., spot; sweet ribbon, 1s. 9 Seville bitter ribbon, 1s. 1d.; thin-cu Tripoli, 1s. 2d. per lb.

ORRIS.—Florentine root on spot is offere at 150s. per cwt.; Verona root, 110s. t 120s. per cwt., spot.

PIMENTO.—Quotations are from 1s. 2¼ to 1s. 3d. per lb., spot; to arrive, 119s. pe cwt., c.i.f.

PODOPHYLLUM.—Steady. American (*pel tatum*), spot London at 280s. per cwt. Indian (*emodi*), from 315s. to 320s.

PSYLLIUM SEED.—French black is quote at 2s. per lb., duty paid; Indian (isphag ula), 120s. per cwt., spot.

QUILLAIA.—Natural bark is offering a 92s. 6d. per cwt., spot: cut is offered a 125s., and crushed at 120s.

QUINCE SEEDS.—Cape on spot is quoted t from 4s. 3d. to 5s. per lb.

RHATANY.—Market remains dull. Spot, eady at 9d. per lb.

RHUBARB.—Spot prices of Chinese rough-ound are from 4s. to 4s. 9d. per lb., ccording to fracture; wormy, 2s. 6d. to 3s. ndian rhapontic is offered at 1s. per lb.; 'rench, 1s. 6d.

SANDARAC.—New-crop, spot, 5s. 6d. per b.; shipment, 5s., c.i.f.

SARSAPARILLA.—Jamaican native red is uoted at from 2s. 1d. to 2s. 2d. per lb., pot; grey, 4s. 3d., spot.

SCAMMONY.—Root (15.8 per cent. resin) n spot is quoted at 65s. per cwt.

SENEGA.—A dull market. Spot supplies re available at 9s. 6d. per lb.

SENNA.—Tinnevelly leaves, spot, No. 1, d. to 1s. per lb.; No. 2, 7½d. to 8d.; No. , 5d. to 5½d. Tinnevelly pods, hand-picked, d. to 1s. 4d.; manufacturing, 5d. to 5½d. Alexandrian pods, hand-picked, spot, from s. 9d. to 5s. 9d., according to quality; nedium, 2s. 9d.; manufacturing from 1s. o 1s. 9d. per lb.; Alexandrian leaves, .a.q., 1s. 2d. per lb.

SHELLAC.—Spot quotations, ex London varehouse, are: F.O.T.N. pure, 345s.; F.O. Standard 1, 352s. 6d.; fine orange, 360s. to 400s. per cwt.

SQUILL.—Italian white, 63s. to 65s. per cwt., spot, according to quality and seller.

STRAMONIUM.—Indian is available at 65s. per cwt., spot London.

STROPHANTHUS.—100 per cent. *Kombé* is offering at 11s. per lb. spot.

STYRAX.—Spot quoted 7s. 6d. per lb., duty paid.

TRAGACANTH.—Business has been mainly in the manufacturing grades. Selected white, £90 per cwt.; other white grades, from £55 to £85; pale leaf, £35 to £40; amber, £20 to £27; red, £14; hoggy, about £10 10s.

UVÆ URSI.—Spot quotations, ex wharf London, are around 85s. per cwt.

VALERIAN.—Belgian root, on spot, from 145s. to 150s. per cwt.; cut, 165s. per cwt.

WAXES. — Market continues steady. BEES'.—Dar-es-Salaam is quoted at 320s. per cwt., spot; shipment, 300s., c.i.f. Lindi, spot, 315s.; shipment, 295s. per cwt., c.i.f. Benguela, in bond, 310s.; shipment, 300s. per cwt., c.i.f. CANDELILLA.—Spot quotations are at 385s.; shipment, 375s., nominal, c.i.f. CARNAUBA.—Prime yellow, on spot, 725s.; shipment, 690s. per cwt., c.i.f. Fatty grey on spot is offered at 470s.; shipment, 450s. per cwt., c.i.f. Chalky grey, 460s., spot; 430s. per cwt., c.i.f. MONTAN.—Reibeck, 300s., spot; Czechoslovak crude, 270s. per cwt. OURICURI.—Spot. 1 per cent., 430s.; 435s., c.i.f. SPERMACETI. — Spot supplies are again cheaper at 2s. 10½d. per lb.

Essential and Expressed Oils

ALMOND.—Spot quotations for sweet oil, B.P., are from 5s. to 6s. 6d. per lb. Bitter essential oil is quoted at from 27s. 6d. to 40s. per lb., as to quality.

CITRONELLA.—Ceylon is quoted at 3s. 7d. per lb., spot, and 3s. 3d., c.i.f. to arrive. Java on spot, 7s. 6d. per lb.; shipment is quoted at 5s. 8d., c.i.f.

CLOVE.—Quotations for English-distilled bud oil are at from 10s. 6d. to 12s. per lb. according to quantity.

GUAIACWOOD.—Spot quotations are from 18s. to 20s., according to holder.

JUNIPER BERRY.—English-distilled oil is quoted at from 95s. to 100s. per lb.; imported oil is offered at 27s. 6d. to 30s. per lb., according to seller.

LAVANDIN.—Steady. Spot quotations are around 7s. 6d. to 8s. 6d. per lb.

ORIGANUM. — Quotations are from 18s. to 20s. per lb., spot, according to holder.

PALMAROSA.—Nominal on spot at 35s. per lb.; new-crop, 29s., c.i.f.

PATCHOULI.—Singapore on the spot is quoted at upwards from 27s. to 30s. per lb.

PENNYROYAL.—Spot, 18s. to 20s. per lb., according to grade.

PEPPERMINT.—English-distilled "Mitcham," is quoted at 200s. to 225s. per lb.

PIMENTO BERRY. — English-distilled oil, from 50s. to 70s. per lb. and upwards, as to quantity and grade.

PINE.—Steady. *Pumilionis* is quoted at 17s. to 18s. per lb., spot; *sylvestris*, 9s. 6d. to 11s. 6d.

TEREBINTH.—Quotations for B.P. oil are from 1s. 6½d. to 1s. 10½d. in winchesters, and 1s. 5d. per lb. in carboys.

TI-TREE.—Quotations are from 8s. to 8s. 6d. per lb., according to quantity.

VETIVERT.—Spot, 95s. per lb., nominal.

Refined Vegetable Oils

Ministry of Food prices (per ton) of refined oils allocated to primary wholesalers and large trade users during the eight-week period ending December 4 are given in the following table.

Oil	Grade	Price £
Coconut	Refined deodorised ...	112
Coconut	Refined hardened	116
Palmkernel	Deodorised	112
Palmkernel	Hardened deodorised...	116
Cottonseed	Refined deodorised ...	114
Groundnut	Refined deodorised ...	114
Groundnut	Refined hardened, deodorised to 40° ...	118
	deodorised to 50/52°	119
Palm	Refined deodorised ...	111
Palm	Hardened deodorised...	114

Rates for bulk supplies, naked, ex works.

TRADE MARKS

(*From the "Trade Marks Journal," October* 6)

"CINTHANOL" and "SYNTHANEL"; by May & Baker, Ltd., Dagenham. 656,195-96. "BAYAPON"; by Bayer Products, Ltd., London, W.C.2; 663,824. For industrial chemicals (1).

"RIBBLE" and design of castle in circular device (word "Ribble" disclaimed); by Ribblesdale Cement, Ltd., Sheffield; 660,822. For industrial, scientific and agricultural chemicals (1).

"OPTREX"; by Optrex (Overseas), Ltd., London, E.C.4; 662,557. For all goods excluding films (1).

"LASTEX"; by Kay Brothers, Ltd., Stockport; 662,922. For adhesives used in industry (1).

"EXTEX"; by M. R. Chemical Products, Ltd., London, E.C.2; 664,175. For emulsifying agents being chemical substances for use in the manufacture of food products (1).

"BRUNEX"; by Stablond Laboratories, Ltd., London, W.1; 646,271. For shampoos for the hair (3).

"DARK ANGEL"; by Société Technique de Parfumerie F. Millot, Paris; 662,713. For perfumes and non-medicated toilet powder (3).

"SUNLIGHT"; by Lever Brothers, Port Sunlight, Ltd., Port Sunlight; 663,321. "JOTA"; by Gorney, Ltd., Broughton Park, Manchester; 663,513. For non-medicated toilet preparations (3).

"ISHMEL"; by F. Brayshaw & Son, Bradford; 664,120. For detergents (3).

"SCLOOF"; by Henry Fraser Johnston, Crumpsall, Manchester, 8; 664,298. For soaps (3).

"TUSANA"; by Boots Pure Drug Co., Ltd., Nottingham; 658,872. For pharmaceutical preparations for use in the treatment of coughs (5).

"VITEPRON"; by Paines & Byrne, Ltd., Greenford; 661,186. "SPANORYL," "LITCHEROL" and "SEFADYL"; by Ana Laboratories, Ltd., Alperton; 663,256-57 and 663,450. "PERMAGLO"; by Albert Worthington, Macclesfield; 664,115. "SABATOL"; by H. R. Napp, Ltd., London, W.C.2; 664,607. For pharmaceutical preparations and substances (5).

"HONEYPOT"; by Kay Brothers, Ltd., Stockport; 662,610. For fly-destroying preparations and fly papers (5).

"LISSOIDS"; by the Harrogate Tablet Co., Ltd., Harrogate; 662,621. For medicated confectionery (5).

"CALGISOL"; by Optrex, Ltd., Greenford; 663,163. "BANDBOX"; by Ashe Laboratories, Ltd., London, S.W.1; 663,166. For all goods (5).

"NAGAMIN"; by Bayer Products, Ltd., London, W.C.2; 663,178. For pharmaceutical preparations and substances, all consisting of or containing amines (5).

"CASTONA"; by T. J. Smith & Nephew, Ltd., Hull; B663,448. For bandages and surgical dressings, etc. (5).

"IPESANDRINE"; by Sandoz, Ltd., Basle; 664,226. Circular device including a sword; by Reckitt & Colman, Ltd., Hull; 664,431. For pharmaceutical preparations for human and veterinary use, sanitary substances, disinfectants and insecticides (5).

"CALCIFONATE"; by the Wellcome Foundation Ltd., London, N.W.1; 663,496. For pharmaceutical and veterinary preparations for facilitating the absorption of calcium by the body (5).

"LEPTICIN"; by Bayer Products, Ltd., London W.C.2; 663,690. For veterinary preparations (5).

"PEDRIAN"; by Wigglesworth, Ltd., Westhoughton; 664,069. For medicinal preparations for the feet (5).

"ISOBLANKET"; by Isopad, Ltd., London, W.1 664,385. For electrically-heated blankets, and apparatus employing electrically-heated blankets for surgical and curative purposes (10).

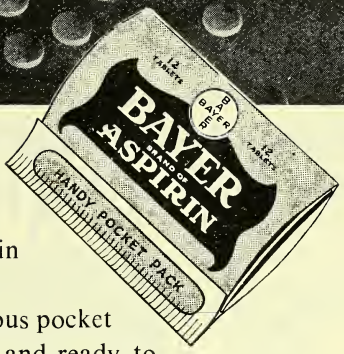
MEDICAL ABSTRACTS

Fluorides and Dental Caries. — Four applications to the teeth annually of a 2 per cent. solution of sodium fluoride have been found by Galagan and Knutson ("Public Health Reports," 1947.62.1477) to produce a maximum reduction (about 40 per cent.) in the incidence of dental caries in children.

A New Analgesic.—Experimental studies comparing the pain-relieving properties of pethidine, Physeptone and C.B.11 (4:4 diphenyl-6-morpholinoheptan-3-one hydrochloride) in human beings are described by Wilson and Hunter ("British Medical Journal," September 18, p. 553). The authors conclude that C.B.11 is a potent analgesic comparing favourably with Physeptone and, apparently, more active under the conditions of the experiment than pethidine. No evidence was found that the new drug caused addiction. The C.B.11 was supplied for the experiments by Glaxo Laboratories, Ltd.

Streptomycin in Gastro-enteritis. — Striking results are reported by James Kramer & Armitage ("Lancet," October 9 p. 555) from the administration of streptomycin orally in critical cases of infantile gastro-enteritis, in cases of recurrent diarrhœa and vomiting, and in neonatal gastro-enteritis. Vomiting ceased early, weight was rapidly gained, appetite returned, stools improved, and there was almost immediate improvement in the general condition. The dose given was 5 gm., which was well tolerated and without toxic results. It is pointed out that oral administration of streptomycin does not obviate the need for treatment by parenteral injection, and the authors do not anticipate that all types of gastro-enteritis or those of virus origin, will respond to the drug given by mouth.

"A new face . . . for an old friend"



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80/85% B.P.	70/75% B.P.
Oil Euc. Dives 40/45%	Piperitone 90/95%
Oil Euc. Citriodora	Oil Euc. Phellandra

.... Phellandrene ....

UNIFORMITY OF QUALITY . CONSISTENCY OF ODOUR

Agents for U.K.: **WILSON & MANSFIELD, LTD., 15 Philpot LANE, LONDON, E.C.3**
Phone : MANSION HOUSE 9264-5-6 **(WHOLESALE ONLY)** *Grams : WYFIELD, LONDON*

BARBITURATES

Phenobarbitone Soluble BP
Barbitone Soluble BP
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Geigy

ANUFACTURED BY PHARMACEUTICAL LABORATORIES GEIGY LTD
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F.C.

Immortelle

Essential Oils

Almond . Aniseed . Bay
Cassia . Cedarwood . Clove
Eucalyptus . 70/75 and 80/85
Geranium . Juniperberry
Lavender . Lavender Spike
Lemon . Lemongrass
Orange . Origanum
Pennyroyal . Peppermint
Rosemary . Sassafras . Thyme

Trade Inquiries Invited

"IMMORTELLE"
PERFUME COMPOUNDS

LODGE, ROBIN, LIMITED
Laleham-on-Thames, Middlesex
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MITCHELL

RAPID MIXING
and STIRRING
UNITS

can be obtained in a wide range of sizes from small Laboratory models of $\frac{1}{60}$th or $\frac{1}{4}$ H.P. up to those of 10 H.P. capable of handling mixing on a large scale. Portable or fixed models give flexibility of planning.

L. A. MITCHELL LIMITED
37 PETER STREET, MANCHESTER 2

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Telephone: BLAckfriars 7224 (3 lines).

AN ALL COTTON WOOL PRODUCT OF REPUTE

Consoluxe (Registered) Patent No. 410702

SUPERFINE QUALITY
ALL WOOL SANITARY TOWELS

LOOPED ENDS
NON-ABSORBENT BACK

WHOLESALE ONLY

ROBERT BAILEY & SON, LTD.
SURGICAL DRESSING MANUFACTURERS
DYSART STREET, GREAT MOOR, STOCKPORT
Phone: GREAT MOOR 3006 Grams: "UNDISPUTED," STOCKPORT

GRAESSER SALICYLATES
LIMITED
Manufacturers of Fine Chemicals
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PHENYL SALICYLATE B.P.C.

(SALOL)

Available in the form of Crystalline Powder for which we invite your enquiries

BRAZILIAN and CHINESE
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CRYSTALS

REFINED CHINESE
CAMPHOR
TABLETS ¼oz. and ½oz.
SLABS and POWDER

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Now in prompt Supply

The
Quality Brand
of Surgical Rubber Goods
Finest and most reliable !

SELKA LTD.
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Factory : - TRADING ESTATE, SLOUGH, BUCK

Apollo

ELEPHONE: ABBEY 4451/3
ELEGRAMS: "MACFORBES, SOWEST, LONDON."

Packed with bay leaves in 4-lb. cartons, 28 in a case. Made in 2 oz. size divisible into 1 oz. sections.

PURE STICK LIQUORICE

'APOLLO' brand is the concentrated extract of carefully selected liquorice root grown on the fertile plains of Anatolia.
It is manufactured in the district where the root is cultivated.
The Chemist who sells 'APOLLO' brand knows that he is giving his customers a product of the highest purity and integrity.

MACANDREWS & FORBES, LTD
2 Caxton Street, London, S.W.1

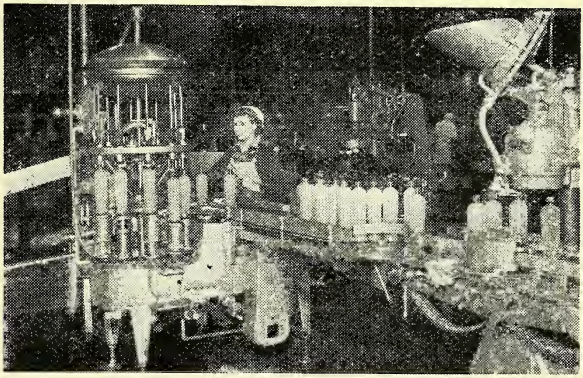
TABLISHED 1857

FILLING YOUR NEEDS . . .

AN AUTOMATIC ARY FILLER for MEDICINES IONS, ANTISEPTICS, ETC.

he ALBRO Filler illustrated is a 0-Head model for the automatic lling of a large range of Pharmaeutical products.

BRIT.SH—'t's one of ALBRO'S range of Rotary Vacuum Fillers e result of 30 years' specializat on e low Vacuum filling method. eless and completely automatic embodies exclusive ALBRO res to fill *your* needs with speed, racy and economy!



Only ALBRO offers ALL these features

* VALVELESS and Completely Automatic.
* Fills accurately to pre-determined level — no waste, overflow or drip.
* Bright polished stainless steel where in contact with product.
* Faulty bottles will not fill and are automatically rejected.
* Easily sterilized—rapidly adjusted to different size bottles.
* Conveyor delivers bottles from Washer to Filler—Filler to Capper.
* Models from 10 to 24-Head with outputs from 200-600 doz. per hour.
* Models for powders, creams, liquids into tins and drums; conveyor packing tables; stopper and lid pressing machines, etc.

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ALBRO

ERS & ENGINEERING CO. LTD.
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JKL

AGAR AGAR
ALOES
ANGELICA ROOT
BALSAMS
BELLADONNA
CAMPHOR POWDER and TABLETS
CINCHONA BARK
COLCHICUM SEED
DANDELION ROOT
KOLA NUTS
LIQUORICE ROOT and JUICE
and all other Botanicals

JOHN KELLYS (LONDON) LTD.
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Telephone: LONdon Wall 4882, 6585, 6586
Telegrams. "Ergotine, Stock, London."

NEVER AGAIN
will combs be as cheap as the
9 in. Black and White and assorted colou
Dressing Combs 7/4 dc
8 in. Black and White and assorted colou
Dressing Combs 4/- dc
7 in. Black and White
Dressing Combs 2/- dc
7½ in. Tail combs various colours 1/6 dc
7 in. Barber type various colours 3/- dc
7 in. Barber type Black seconds 2/- dc
5 in. Pocket type various colours 2/- dc
4 in. Dust Combs various colours 4/- dc
5 in. Baby combs Pink and White 4/8 dc
SPECIAL OFFER
7 in. Gent's Combs assorted colours 1/6 dc
All prices inclusive of Purchase Tax.
L. FRANKENBERG LTD.
37 HOUNDSDITCH, LONDON, E
Send for 34 Page List
YOUR ENQUIRIES WELCOMEL

GLASS TUBES BY THE MILLION
● TUBES FOR PACKING, SAMPLING & TESTING, ETC
● DROPPERS, STRAIGHT, CURVED, BALL POINT BUTTON POINT, ETC.
● AUTOMATIC MACHINERY ENSURES BEST QUALITY AT BEST PRICE
THE SPECIALISTS T.T. TUBES SOLE MANUFACTURERS
F. COPLEY & CO., BEESTON, NOTTINGHAM

THE NEW PREPARATION
which you may be contemplating will need a label which will inspire confidence and help to establish a good and increasing sale. We shall be pleased to hear from you.
JAMES TOWNSEND & SONS, Ltd. • *Label Printers* • EXETER

FINE & PHARMACEUTICAL CHEMICALS

BROMISOVALERYLUREA

CYCLOBARBITONE

CYCLOBARBITONE CALCIUM

A P L

AMBER PHARMACEUTICALS LIMITED

BYRON HOUSE, 7-9 ST. JAMES'S ST., LONDON, S.W.1

CABLES: PINEROUS, PHONE LONDON

A P L

"If it grows, try

BROME & SCHIMMER

WHOLESALE DRUGGISTS

BOTANICAL DRUG IMPORTERS AND SPICE MERCHANTS DRUG AND SPICE MILLERS

7 LEATHER MARKET LONDON - S.E.1

A PERFECT COMBINATION

Whilst sifting and mixing powders perfectly, the Sprayer attachment allows the uniform addition of moisture or liquid flavour and perfume.

GARDNER'S

PATENT 'RAPID' SIFTER & MIXER WITH SPRAYER ATTACHMENT

WM. GARDNER & SONS (GLOS.) LTD.

BRISTOL ROAD · GLOUCESTER

Phone: Gloucester 21261 Grams: "Gardner, Gloucester"

LONDON: 19 Gray's Inn Chambers, 20 High Holborn, London, W.C.1

Telephone: CHAncery 7347

ESSENTIAL OILS

LAVENDER
SPIKE LAVENDER
LEMON & LIME
ORANGE & ANISEED
PEPPERMINT
MENTHOL CRYSTALS
BERGAMOT ARTIFICIAL
CITRONELLA
LEMONGRASS
EUCALYPTUS
PATCHOULI

PERFUME COMPOUNDS

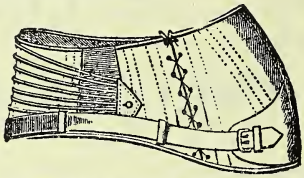
Produced against specific requirements.
Samples matched.
Raw Materials suitably Perfumed.

Samples and details on request

A. G. HERSOM
142a CANBURY PARK ROAD,
KINGSTON-UPON-THAMES
Tel. . Kingston 8911 *Grams. : Hersom, Phone, London*

"Clifton"
Brand

SURGICAL APPLIANCES and SUNDRIES
ABDOMINAL BELTS and CORSETS
SUSPENSORY BANDAGES
JOCK STRAPS
ELASTIC HOSIERY
TRUSSES
CHEMISTS SUNDRIES



Prescription Belts a Speciality
To measure in 2 to 3 DAYS

Write for price list:
CHARLES WILLIAMS & Co.
(Propr.: A. G. Price)
STONEY STREET · BEESTON · NOTT

FEMEX SAN. TOWELS PRICES REDUCED

Femex No. 1	18/-	2/-
Femex No. 2	22/6	2/6
Femex No. 3	27/-	3/-
Maternity	27/-	3/-
Soluble No. 1	15/9	1/9

High Quality unchanged

IMMEDIATE DELIVERY

WILFRED STRETCH & Co. Ltd.
UNION WORKS, CASTLETON, ROCHDALE

BABY MEANS BUSINE

Where there are b there will be a deman soothers—a demand continues all the round. That's the sc business you want.

Make sure of repeat o by selling Grove soothers.

We'll tell you why:—

1 The teething ring is pliable plastic, kind to g
2 The disc is plastic, too, and gaily coloured.
3 The teat, made of transparent latex, is in norm cherry shape and can be sterilized whe necessary.
4 They are hygienically packed in cellophane velopes, fixed on a showcard which will add di tion to your counter. Also offered in attra 3-dozen display box.

PACKED IN ATTRACTIVE DISPLAY OU

GROVEWELL L
FEED TEATS, VALVES AND SOOTHE
656 Forest Road, Walthamstow, London,
Wholesale only supplied

SURGICAL DRESSINGS

XANDER CARUS & SONS LTD.
dlesden Mills, Darwen, Lancs.
n Office : 41-47 Leswin Road, N.16

FACTORIES AT :
HODDLESDEN, DARWEN, BLACKBURN, ROCHDALE

Who . . . me ?

Yes, you, Sir. You've helped C.R.S to reach a weekly collection of nearly 1,200,000 empty containers, but to meet national requirements we need at least 250,000 more every week. ***That's five more empty containers from every trader on whom C.R.S calls, and we're counting on you, and thousands like you, for a bumper response.***

The return of empty containers is saving the nation thousands of tons of precious coal, timber, wood-pulp, metal and other essential raw materials . . . Remember that when the C.R.S van calls!

Container Recovery Service

S.P.D. LIMITED, UNILEVER HOUSE, BLACKFRIARS, LONDON, E.C.4

RS 52A-683

IT'S THE BEST
TAMPON
VALUE
ON THE MARKET!

ITS
QUICK SALES
MEAN
QUICK PROFITS!

IT'S WELL ADVERTISED
-AND DISPLAY
MATERIAL IS
AVAILABLE NOW!

it's

holly-Pax
FROM HOLLYWOOD

MODERN INSERTION TYPE
SANITARY PROTECTION

★ Holly-pax appeals to women because of its excellent value—quite apart from its great advantages and amazing compactness. It's equally attractive to stockists because it sells quickly, meaning quick profits.

Sole Distributors:
FASSETT & JOHNSON LTD.
86 Clerkenwell Road, London, E.C.1

ZEAL
Clinicals
The Choice of Experts
BRITISH MADE

NO HIGHER IN PRICE THAN NONDESCRIPT MAKES

Also Household, Bath and Works Thermometers, the best of their kind

G.H. ZEAL LTD.
LOMBARD RD., MORDEN RD., LONDON, S.W.19
Phone: Liberty 2283-4-5

FEEDING BOTTLES
singly boxed with Teat and Valve

TEATS AND VALVES
for Feeding Bottles

WHIRLING SPRAYS

BABY SOOTHERS
all rubber or with plastic fittings

TEETHING RINGS
Plastic

SURGEON'S FINGER COTS

MEDICINE DROPPERS

SURGEON'S GLOVES

VACCINE CAPS

NIPPLE SHIELDS

Manufacturers & Distributors:
ESCO (RUBBER) LTD.
2 STOTHARD PLACE, BISHOPSGATE
LONDON, E.C.2

Telephones: *Bishopsgate 9139 & 9149*
Cables: *Shupax, Lond*

C.P.L

RETAIL DISCOUNT

INCREASED

FROM 25% to 30%

OPERATIVE FROM OCT. 1st, 1948

(Note: In a few instances minor adjustments have been necessary on account of Purchase Tax calculations.)

ON ALL PRODUCTS

MENOPAX TABLETS
MENOPAX ANTIPRURITIC CREAM
POLYCREST ANTIPRURITIC CREAM
MENOVO TABLETS
PERSOMNIA FOR INSOMNIA

BONUS PARCELS

(*Available to Retail Chemists only*)

The following bonus terms are offered on all products, and on all combinations thereof, including Moore Medicinal Products except the Deedon Electric Inhaler, Codella Products, Dispensing and Bulk Packs.

Orders to the nett value of £2-10-0 and over, less 5%

Orders to the nett value of £5-0-0 and over, less 10%

Carriage paid on all orders to the value of £2-10-0

Write for trade terms to the SOLE DISTRIBUTORS

MOORE MEDICINAL PRODUCTS LTD.

ENGLAND & WALES

64 Gloucester Place, London, W.1

Tel: Welbeck 5718/9

SCOTLAND & NORTHERN IRELAND

1 Queens Terrace, Aberdeen

Tel: Aberdeen 6000/1

sued by: CLINICAL PRODUCTS LTD., RICHMOND, SURREY

to save your wrapping problems...

★ KOTEX has decided to continue with the plain box with "tear-off" strip. Simply remove the perforated strip and the plain box is ready for sale.

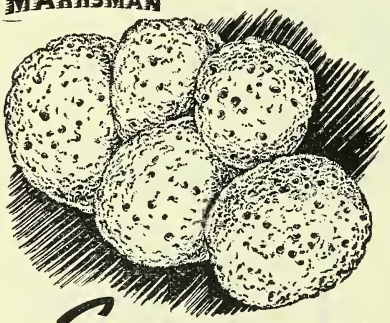
KOTEX

SANITARY TOWELS
WITH LOOPS

Now 1/10d. per Box (C.P.R.C. Approved)

CELLUCOTTON PRODUCTS LTD., 33/34 AYLMER PARADE, LONDON, N.2

MARKSMAN



Sponges

NEW PRICE LIST JUST ISSUED.
Send for your Copy TO-DAY.

Leslie Marks & Company Ltd.

Importers and Exporters of Fine Sponges, Chamois Leather Dressers

3-9 EARLHAM STREET, CAMBRIDGE CIRCUS LONDON, W.C.2 ***Temple Bar 6135/6***

Britain's trusted Brand

Through the time of shortages it was our watchword to keep faith with trade and public. First by maintaining to the utmost possible, the quality associated with the name Softex; secondly by sharing fairly the slender supplies. We deeply appreciate the understanding and co-operation of our friends in the Trade in those days. Now, Softex of pre-war quality is available; new machinery has enabled either reduction in price or more sheets at the same cost. We have been able to supply some new customers on our long waiting list in districts where Softex has been unobtainable. We ask the patience of the rest, and look forward to the time when we can fully satisfy the demand for Britain's trusted Brand.

SOFT
SOFTER
SOFTEX

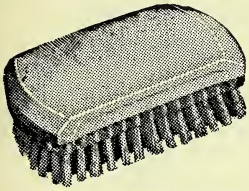
★ SWAN CREPE & TABLE STATIONERY ★ SERVIETTES ★ XMAS WRAPPINGS ★ SOFTEX TOILET TISSUE ★ FANCY PAPERS ★ CARNIVAL ARTICLES

SWAN MILL PAPER
COMPANY LIMITED
92 REGENT STREET, LONDON, W.1
FACTORY: SWANLEY, KENT

SMT18

New Neolite Models

NEOLITE



Neolite Bath Brush

A fascinating and graceful new design. The long handle is specially curved for added ease in use. The head can be detached to serve a dual purpose. A beautiful accessory for the modern bathroom. Retail 19/3 inc. tax.

Available in the following shades

Crystal with Opal, Pink, Cream, Yellow, Green, Blue, Peach, Turquoise, Amber, Ruby Red, Black, also clear designs.

Neolite Gent's Hairbrush

A man's brush of distinction in ivory finish. A style appealing strongly to all ages. Retail, inc. tax, plain top, 18/4. Fluted top, 22/11.

UNIVERSAL BRUSH CO. LTD. LUTON

Northern Ireland Agents and Distributors :
Jay-Bee Products (Belfast) Ltd., 7/13 Fleming Street, Belfast

Widely used and prescribed by the Medical Profession

OPTULLE (TULLE GRAS)

A wide mesh gauze impregnated with Balsam of Peru in a Petroleum Jelly base. Widely used by Doctors, nurses and hospitals as a dressing for burns, scalds, cuts and abrasions, in plastic surgery and in the treatment of impetigo, eczema, etc. It is rapidly finding its way into First Aid Cabinets too.

24 dressings 4" sq. approx. . . 5/- per tin.
Strip 5 yards by 8" . . . . . 11/- per tin.
Medical Prices, 24 pieces . . . 4/- per tin.
Strip . . . 9/- per tin.

SULPHONA-CREAM

A cream containing 10% w/w Sulphanilamide in Paraffin-Lanolin-Water emulsion. A useful adjunct to Sulphona-Tulle. Valuable as a primary dressing for burns and scalds and in their treatment when infection has occurred. Convenient in use by either the Doctor or patient.

½ oz. tubes 15/- per doz. 1 lb. jars 15/- each.
Medical Prices Tubes 13/6 per doz. Jars 13/5 each.

SULPHONA-TULLE

An open mesh gauze impregnated with an emulsion containing 10% Sulphanilamide used extensively by the medical profession for the treatment of wounds, burns, chronic ulcerations and septic skin conditions.

Strip 5 yds. by 3½" 7/- per tin.
Medical Price 6/- per tin.

Retail Chemists discount 33⅓%
(applying to prices of all 3 products)

These products are regularly advertised in the appropriate medical journals, including :-
BRITISH MEDICAL JOURNAL.
PROCEEDINGS OF THE ROYAL SOCIETY OF MEDICINE.
POST GRADUATE MEDICAL JOURNAL.
LANCET.
MEDICAL OFFICER.
PUBLIC HEALT ., ETC.

Manufactured by **Optrex Ltd.** *Perivale, Middlesex*

Sole Distributors : **CHAS. F. THACKRAY LTD.**, 10 PARK ST., LEEDS, 1; *and* 38 WELBECK ST., LONDON, W.1

Are your WINDOWS well dressed?

Are you satisfied with the sales appeal of your shop windows and interiors?

It is so *EASY* to

SHOW WELL WITH . . .

GUPWELL

DISPLAYTHINGS

Select your fittings from the complete Catalogue, Post Free

A. J. GUPWELL (Shopfitters) LTD.
54 Bradford Street, BIRMINGHAM 5

D & P

copying paper negs enlarging

Return Service

Best work guaranteed and despatched the sam day as it is received. So improve your servi and don't lose the profitable business in paper neg Northern Centre to the fullest extent.

NORTHERN CENTR

ARGUS CHAMBERS, BRADFO

The finishing firm of the North

SPECIALISTS IN COLOUR WO

A DELICATE SUBJECT — FOR DELICATE SKINS

The TOTTY-POT

Rubber Ringed for Cushion Comfort

Trade Mark "Totty Pot" Patent applied for

A NON-CORROSIVE ACID-PRO HYGIENIC CHILD'S CHAMB

Detachable rirg, easily removed cleanirg purposes

Made of Aluminium

ANODISED IN SOFT PASTEL SHADE

SOLE MANUFACTURERS
J. BILLIG & SONS LTD.,
ESTABLISHED 1899

BILTIN WORKS, FONTHILL Rd LONDON N.4.
TELEPHONE ARCHWAY 2753 & 3858

RATS Over-night DIE! And Never Trouble U-again!

Rod-Antu
QUICKLY & SAFELY
DESTROYS RATS & MICE
Obtainable from all chemists.

1/6 & 5/-
PER TIN

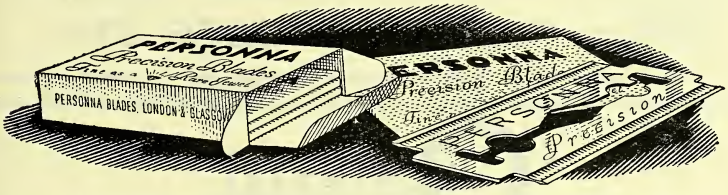
RODMILL CHEMICAL CO. LTD. LIVERPOOL 3

The above is a copy of the advertisement appearing in Newspapers throughout the Country.

Generous Discounts. Special Display Bonus on orders value 36/-

World's Finest Razor Blade

formerly 6d. retail — now only 3d. each!

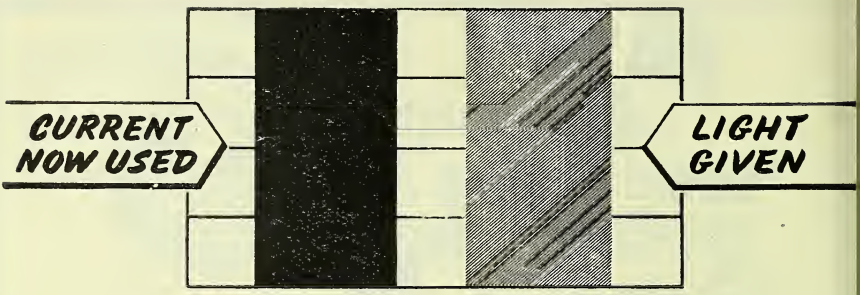


ensational news! The world's finest razor lade—Personna Precision—is now *halved* in rice! Yet quality is not in any way affected. ncreased production and simpler packing have ut costs, and we are pleased to pass on these conomies to the public, thus leading the ational drive for lower prices. These perfect lades, formerly retailed at 6d. each, are now reduced to only 3d.! The name Personna is not new to the public. It has carried a regular advertising campaign over the past 15 months. Now, to launch Personna at the new price, this campaign has been greatly increased on a nation-wide scale.

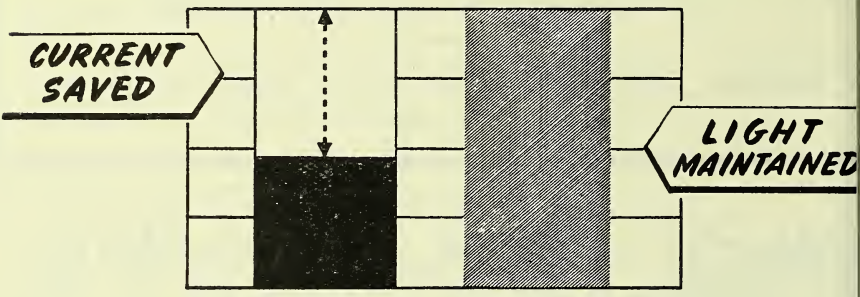
The demand for Personna precision blades will be immediate and ever-increasing.

STOCK UP NOW! *Retail Price* **1/3d.** per packet of 5 blades (*including tax*)

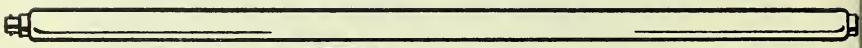
PERSONNA *Fine as a rare jewel*
PRECISION BLADES



To maintain your standard of lighting –



—and, at the same time, save current, **change to—**



Osram

FLUORESCENT LIGHTING

AND G.E.C. FITTINGS

which will give the same illumination as your tungsten lighting with a saving in electricity of over 50%. G.E.C. Illuminating Engineers will advise and assist.

THE GENERAL ELECTRIC CO. LTD., MAGNET HOUSE, KINGSWAY, LONDON, W.C.2

New, quicker, bigger SALES *are coming for*

Kemt

MAGIC MIST

★

A new Kemt advertising campaign has started. Forceful, intriguing, curiosity-provoking, these new advertisements are making women in their millions say 'I must see this . . .' *See that they do!* Take your cue and cash in NOW with a quick display on your counter or in your window. The displays are ready for you . . . write for them NOW!

Order from your usual wholesaler or for best terms on larger quantities from :—
Scott and Bowne Limited, *Distributors of Silvikrin products*, Winchester House, Old Broad Street, EC2
For display material please write to :—Silvikrin Laboratories, 145 Sydney Road, London, N10

bandbox shampoo

sells on quality and price with generous profits

Bandbox advertising brings you new customers... Bandbox leads the field with the new 6d. Cream Shampoo. And now there is Bandbox Wave Set too.

Liquid	10½d.	6/0 doz. + P.T.	**Cream**	6d.	40/0 per gross + P.T.
	2/6	16/6 " " "		4/3	28/6 " doz. " "
	4/3	28/6 " " "	**Wave Set**	1/8	8/- doz. " "
	7/6	50/0 " " "			

Ask for display material to link up with advertising

ASHE LABORATORIES LTD. 120/2 Victoria Street, London, S.W.1 *Telephone:* Victoria 678

And now the TEAT with ALL the selling points

CUSHIONED FOR MOUTH-COMFORT
see special moulded ribs

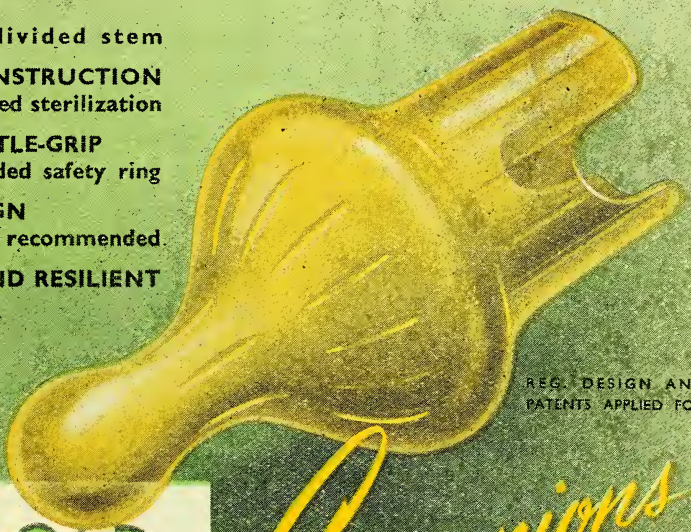
EASY FITTING
note divided stem

PURE LATEX CONSTRUCTION
permits repeated sterilization

EXTRA SAFE BOTTLE-GRIP
by moulded safety ring

ANTI-COLIC DESIGN
medically recommended

ALWAYS SOFT AND RESILIENT
smooth feed flow

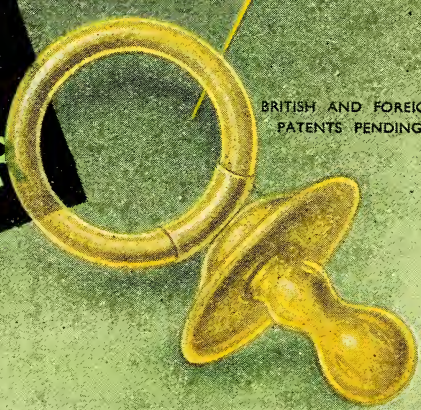


REG. DESIGN AND PATENTS APPLIED FOR

MARIGOLD REG'D. Cushion TEAT

Companions in Comfort

MARIGOLD REG'D. Cushion COMFORTER

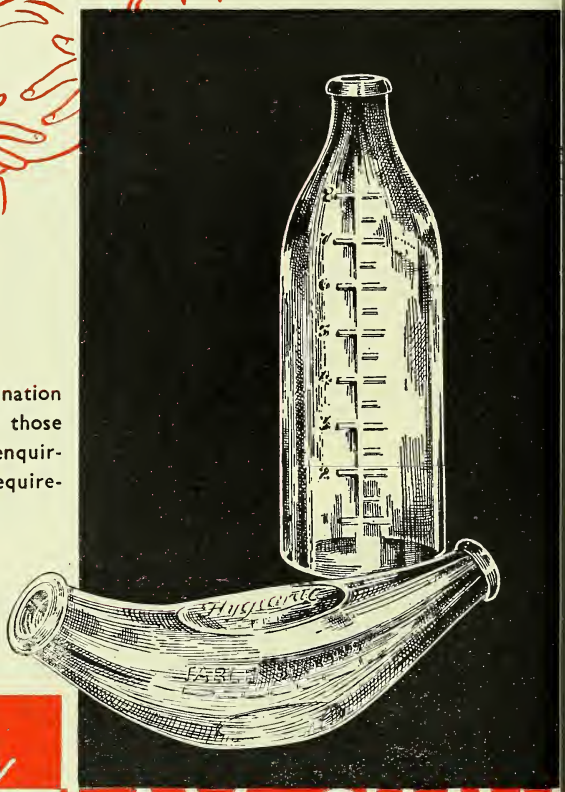


BRITISH AND FOREIGN PATENTS PENDING

ALLEN & CO. (LATEX) LTD · CHELTENHAM · ENGLAND

INFANT FEEDING BOTTLE

ESSENTIAL FOOD AN
DRUG CONTAINER
MEDICAL FLATS AN
PANELS, ETC., ET



The essential needs of the nation still demand priority. To those planning ahead we invite enquiries for Glass Container Requirements.

Wholesale & Export Only

London Office:—
29 Ludgate Hill, E.C.4
Telephone: CITY 7170

LAX & SHAW

REGD. OFFICES: Scott House, 69 South Accommodation Rd., LEEDS,
Telephone: 21568 (2 lines) Telegrams: Feeders Phone Le

Penguin Camera Distribution

From November 1st onwards, distribution of the Penguin camera will be direct between Kershaw and the retail photographic trade.

The Penguin $2\frac{1}{4} \times 3\frac{1}{4}$ Roll Film Camera, well above its price class in looks, design and workmanship, has a big sales future now that supplies are no longer severely limited.

Direct enquiries from the Retail Trade will be welcomed—and dealt with immediately.

KERSHAW

KERSHAW SOHO (SALES) LTD · IMPERIAL HOUSE · 80-82, REGENT STREET · LONDON W I

Send for this NEW 'ASPRO' DISPLA

It is a credit to any window. It is attractive—and effective. It makes the passer-by stop, and look—and it turns passers-by into customers at a record rate. Window space devoted to 'ASPRO' is space that REALLY pays. If you have not already received your display let us know straight away and we will send one by return.

ASPR
REG. TRADE MARK
Made in England
ASPRO L
Slough, Bu
P.A.T.A

A Grand Display & A Grand Seller

SELL MORE

SEMO
TRADE MARK

CLOTHES WASHING POWDER

because

SEMO is the new, *different* Clothes Washing Powder with definite advantages, made possible only by the scientific work of expert research chemists. Not a substitute, SEMO supersedes harsh acting, hand-coarsening preparations. Protects sensitive skins while ensuring easier, better, quicker results. SEMO is unequalled for heavy washing. A nationally advertised line with a good profit margin.

lathers so!

8½d NO COUPONS

Sole distributors:—
SPLENDOR LIMITED
22 Fletcher Gate, Nottingham
(Tel. 40394) and 7c Lower Belgrave St., London, S.W.1 (Tel. Sloane 9144)

Regd. **"Surgexa"** Trade M
SURGICAL DRESSINGS - CHEMISTS' SUNDI
PATENT MEDICINES
The CHEMISTS' SUNDRIES (Wholesale) CO.
330 STATION ROAD, BAMBER BRIDGE, PREST
Telephone 85403

PERCENTA
THE CONTAINER PEOPLE
(PERCENTA LTD.)
Containers of M
Glass, Alumin
and Pl
Tel: Hop 0516 (6 li
Percenta House, 130/2 Tooley Street, London, S

RECOMMENDED FOR NERV

DR. NIBLETT'S
VITAL RENEWER
NERVE SEDATIVE

for
70 YE
Retail p
6/-
per bo
includ
purchase

TRADE DISCOUNT 33⅓%

C. P. NIBLETT (Est. 1870)
10 LICHFIELD TERRACE, RICHMOND, SURREY
Telephone: RIChmond 3221

The Brand that rings the bell!

Keep your cash register busy by showing the attractive "Autumn Sun" display card, linking up with "Autumn Sun" national advertising. These, plus "Edme" quality and "that butterscotch flavour," ring a bell with the public.

TIONALLY ADVERTISED
vertising in national Press
l appear throughout the
son. FREE—handsome Jar-
der display showcard in full
colour creates sales.

EDME
Autumn Sun
MALT AND OIL

Manufactured from finest ingredient obtainable. *Full particulars from :*

DME LIMITED · IMPERIAL HOUSE, REGENT ST, LONDON W.I.
TELEPHONE REGENT 5563-4

"Leda"

D · D · T

LIQUID SPRAY

pecially prepared for Household use

ON-INFLAMMABLE. NON-STAINING.
Ready for immediate use.
Full directions on each container.
lso In Powder Form. Samples and prices
ailable to Wholesalers from Manufacturers.

EDA CHEMICALS LTD
VHARF RD., PONDERS END, MIDDX.

Phone : HOWard 2231 (3 lines)

ole Agents for N. Ireland: Whyte Reid & Mitchell, Ltd
61/63 Donegall Pass, Belfast.
ole Agents for Scotland : Southern Mfg. Co. Ltd.
214 West Regent Street, Glasgow, C.2

Steadily drifting South...

Askit
The Single Remedy

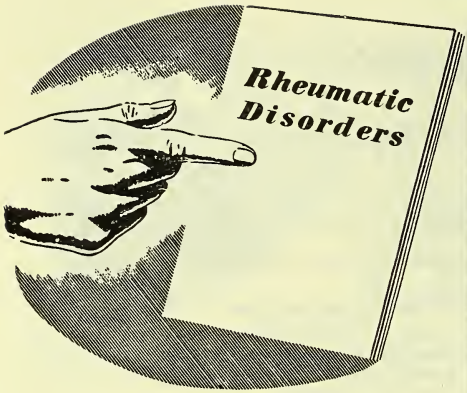
THE POWDER WITH A REPUTATION

For over 30 years Scotland's leading Proprietary Medicine

for the speedy relief of Headaches, Neuralgia, Neuritis and all Nerve Pains.

Manufactured by
ASKIT LTD MANUFACTURING CHEMISTS
GLASGOW N

and stocked by
ALL LEADING WHOLESALE HOUSES



NEW BOOKLET
FOR RHEUMATIC
SUFFERERS

This is an authoritative treatise on Rheumatic complaints written in language that the layman can easily understand. Copies are now being included in both the 5/6d. and 26/5d. size Curicones Cartons, and supplies are also available to chemists FREE on request.

Mention is being made of this booklet in our National Advertising and readers are invited to ask their chemist for a copy. Make sure you have a supply of these booklets on hand.

If you require one of these Curicones booklets at short notice to comply with a request from a customer, please take one from a CURICONES CARTON.

P.A.T.A.

CURICONES

STEPHEN MATTHEWS & CO. LTD.
19/21, Farringdon Street, E.C.4

THE
"NIPPER"
Series of eight products prepared with special care for children

EXCELLENT FORMULÆ
PLEASING PACKAGE
EXTRA LARGE PROFIT

Syrup of Figs—Zinc & Castor Oil—Nursery Pdr.–Glycerine, Lemon & Hone — Petroleum Jelly — Cough Mixtur —Cream of Magnesia—Gripe Mixtur

Ask our Representative to call

WICK INDUSTRIES CO
256, Wick Road, London, E.9

Manufacturers of "WICK" Brand of DDT Flycards Powder and Liquid.

SURE-SELLING STOCK
OVER 150 YEARS REPUTATI
KEARSLEY'
THE ORIGINAL
WIDOW WELCH'S PIL
9d. BOX PROFIT by ordering 1 do 3/3½ size. Bonus box given on ev dozen (13). It pays to push this s
C. & G. KEARSLEY LT
71 Dartmouth Rd., London, S.E
Est. 1787

GLYCERYL MONOSTEARATE
Guaranteed Food and Drugs Quality

REGULAR SUPPLIES AVAILABLE
Samples and quotations upon reques

The Faylene Manufacturing Company
15 Queens Court, Lower Briggate, Leeds
Telephone 22594

"ZEMS"

HERBAL LICORICE TABLETS

THE BEST MEDICATED TABLETS FOR COUGHS, COLDS, ASTHMA, BRONCHITIS, ETC.

CHEMISTS' CF FORMULA

Supplies may be obtained from C.F. Wholesale Houses

ZEMS LTD.

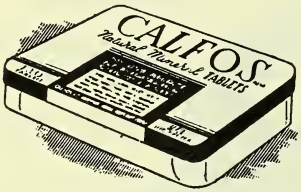
718-724 Seven Sisters Road, London, N.15

Here is the

NEW 'CALFOS' ADVERTISING

★

Generous Profit Margin



Advertising is now appearing in daily papers and women's journals. This is a logical development of over 10 years of ethical selling and clinical trials. It will stimulate the demand for this palatable, natural form of calcium and phosphorus. *'Calfos' is an attractively priced, repeat sale line with a generous profit margin. Enquiries to our representatives or to:—*

CALFOS LTD., IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2

T.

BACKACHE?

STILL THE BEST

Trade: 20/- a doz., plus 6/8 Tax — 26/8 doz.

Minimum Retail: 3/1 each, Purchase Tax included

MANUFACTURED IN ENGLAND BY

Johnson & Johnson (GT. BRITAIN) LTD SLOUGH & GARGRAVE

Generous Profits with OCTIM & SPOS

Every order that you send for Oct Sposs Furniture Dressing, Fl Dressing, Window Sheen and Fent Spot Remover is subject to th generous discounts:

25% net profit on retail pri

AND

5% display bonus on £10 or

OR

10% display bonus on £20 or

It pays you handsomely to sell Octim and Sposs Products.

SIMMONDS PRODUCTS Ltd., BYRON HOU 7/9, ST. JAMES'S ST., S.W.1. TEL. WHItehall 9

Facts you should know about Valderma

. . . AS A CHEMIST

s a chemist you will be interested to w that in reports recently submitted a Public Analyst, and independantly an eminent bacteriologist, in which derma was compared with other well-wn skin ointments, Valderma was shown ave a marked superiority against Staph. eus, Staph. albus, Strep. viridans, Bact. communis, B. megatherium and the htheroid organism. (Further details sup-d to any Chemist, on request).

. . . AS A RETAILER

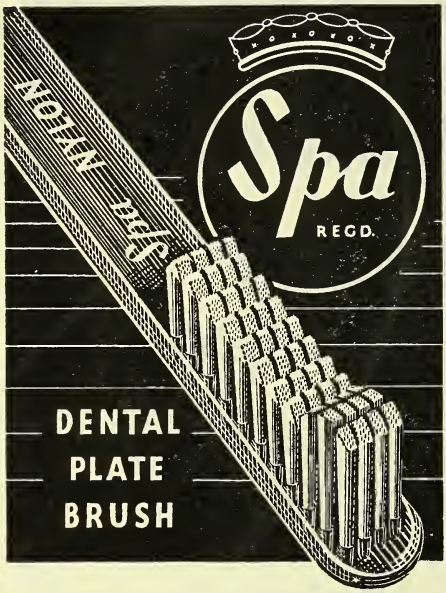
As a retailer you should bear in mind that persuasive, hard-selling Valderma advertisements are appearing regularly in the national and provincial Press and also on posters. Valderma is now in public demand for an increasing number of uses, so this is very definitely a line to display in your windows and on your counters. Specia handy-sized display available on request.

Valderma

DOUBLE-ANTISEPTIC BALM

JARS RETAIL AT 2/2½d AND 3/10d. TRADE PRICE PER DOZEN 15/- AND 26/-
PURCHASE TAX — 5/- AND 8/8d

I AE HEALTH LABORATORIES LIMITED, RESEARCH DIVISION. 26, BERNERS STREET, LONDON W.1



designed specially for the job

A Dental Plate Brush has a double job to do—it must clean every part of the plate as well as the dentures. No ordinary brush—and no adapted tooth-brush—can do this.

The SPA Dental Plate Brush has been specially designed for its particular job. The handle is correctly shaped. The bristles are of the right hardness, length and spacing.

The price is right. The PROFIT is right. It's a P.A.T.A. line. *And* it's a quick seller.

Supplies now available

JOHN FREEMAN & CO. LTD.
props.: Spa Brushes Ltd. Chesham, Bucks.
Phone: Chesham 648 (2 lines)

Sorbo

REGD. TRADE MARK

THE ORIGINAL SPONGE RUBBER

MEDICAL SUPPLIES

WILL

HELP YOUR TRAD

HOSPITAL RINGS
RUBBER SHEETING
SPONGE RUBBER
SUPPORTS, ETC...

SORBO LTD WOKING SURRE
Phone WOKING 960 *Grams* SORBO SURF

AMERICAN LATHER SHAVING CREAM

NET WEIGHT 1¼ ozs.

Manufactured by:
WILLIAM A. WOODBURY (Inc.
NEW YORK

Each in Smart Carton and Original Packing of one gross

PRICE (Including P.T.)
48/- gross Tubes
worth more than double

Sample Tube for 6d. Stamps

SIR JOHN PRATT & C
89 FORSET COURT, EDGWARE ROAD
LONDON, W.2.
Telephone: Paddington 4104

CORONET
COMBS

The comb that your women customers have been demanding for years. Graceful, strong, yet inexpensive, moulded in jewel-like transparent shades of ruby, sapphire and diamond clear crystal. Here is the comb designed by the makers of Paragon Brushes, for lovely hair.

Details of trade terms and this attractive sales and display card from your usual wholesaler or —

Paragon

Export Enquiries invited

157-161 REGENT STREET, LONDON, W.1 TELEPHONE: REGENT 1054 (10 LINES)

THE *Modern* ANTACID..

Magtriz Tablets are an effectiv combination of Magnesium Trisil cate and Magnesium Hydroxid and provide prompt relief ar prolonged control in all cases Hyperchlorhydria as recommende by the Medical Profession.

MAGTRIZ

DIGESTIVE TABLET

2 sizes, 7½d. and 1/6d.
Trade 4/- and 10/- per doz. plus P.T.
Both sizes packed in attractive outers.
Small size 2 dozen. Large size 1 dozen.

WESTMINSTER LABORATORIES LTD., Chalcot Road, London, N.W.1 Tel.: PRImrose 3395/6/7

SELL
under your
"OWN NAME"

Vitamin Malt Extract
and
Malted Wheaten Food

Write for particulars or phone :—
KINGS OF KINGSBURY (Sales) LTD.
1, LONDON BRIDGE, S.E.1
Phone: HOP 2004

M.28 is a new, saf and deceptivel simple preparatio giving consistentl positive results i relieving menstru pain. Doctors are no prescribing this for of direct therapy.

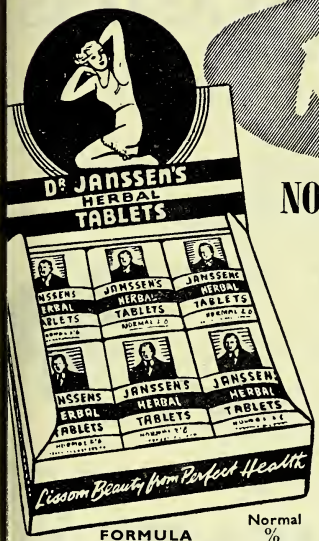
If you have no supplies when patient needs M28—there's one sa lost for at least 28 days.

P.A.T.A.

TRADE COST PER DOZEN .....
TAX PER BOTTLE .....
RETAIL PRICE PER BOTTLE .....

GYNOCLINICAL LABORATORIES L
17 Dartmouth Street, Westminster, S

200,000 Ready-made Customers



NOW TO BE DIRECTED TO CHEMISTS

For the past 12 years Dr. Janssen's Herbal Tablets have enjoyed direct sales to the public now numbering over 200,000. The demand to-day is such that sales through the usual Retail channels of distribution have become essential and this vast, ready-made market is now available to Retail Chemists all over the country.

A big and sustained advertising campaign in the National, Sunday and Provincial Press will announce the change-over, divert sales to the Retail and foster demand.

FORMULA	Normal %
Ext. Cascara Sag. Sicc. B.P.	25.625
Ext. Aloes B.P.C. - -	7.500
Ext. Leptandra B.P.C. -	2.083
Ext. Gentian B.P. - -	3.750
Ext. Taraxaci B.P.C. - -	7.500
Cerevis, Ferment. SICC. -	38.541
Mrryh. B.P. - - -	2.083
Lecithin (Ground Nut) -	3.750
Oleoresin Zingib - -	0.958
Base to - - - -	100.00

ERE ARE TWO SPECIAL PROFIT INTRODUCTORY BONUS OFFERS

BONUS PARCEL A

	Cost	Selling
ne doz. 2/6 Dr. Janssen Tablets	16/-	24/-
ne only 2/6 „ „ „	Free	2/-
ives you 38.4% NETT PROFIT	16/-	26/-

BONUS PARCEL B

Two doz. 2/6 Dr. Janssen Tablets		32/-	48/-
½ „ 5/11 „ „ „		19/6	29/-
¼ „ 5/11 „ „ „		Free	14/6
Gives you 43.7% NETT PROFIT		51/6	91/6

excluding purchase Tax

Iark your order simply A or B parcel. It can go through your usual wholesaler if desired

r. Janssen's Herbal Tablets are packed in small and attractive display cartons. ll parcels over £1 carriage free.

DR JANSSEN'S HERBAL TABLETS

SOLE DISTRIBUTORS

HARRY A. PENNEY (DISTRIBUTORS) LTD.

Barclays Bank Chambers, Kendal, Westmorland

ORANGE, LEMON,
PINEAPPLE,
ORANGE & LEMON,
PINEAPPLE & ORANGE,
BLACKCURRANT and APPLYM.

I am selling

FOUR SEASONS

SQUASHES

for these four reasons . .

- **Nationally advertised**
- **2/6 a bottle with good trade discounts**
- **Best quality in its class**
- **Seven flavours for all-the-year-round sales**

FOUR SEASONS

THE SQUASHES THAT SELL

A strong advertising campaign in Daily and Sunday Newspapers, Picture Post, Illustrated and Women's Magazines is already giving your customers four reasons for buying. Place your order now.

Citrus Products, Co. Ltd., 87, Regent Street, London, W.1.

Eade's PILLS

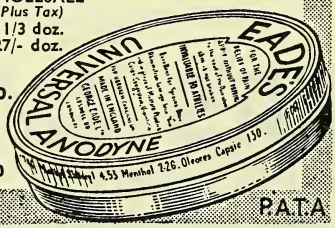
Eade's Rheumatic and Gout Pills, the remedy with a 100 year old fame.

RETAIL (Inc. Pur. Tax)	WHOLESALE (Plus Tax)
1/7	11/3 doz.
3/9	27/- doz.
6/3	46/- doz.

Eade's UNIVERSAL ANODYNE

Another Eade's product always in demand.

RETAIL (Inc. Pur. Tax)	WHOLESALE (Plus Tax)
1/7	11/3 doz.
3/9	27/- doz.



EADE'S PILLS LTD.
(Dept. C. & D),
232 Goswell Rd.,
LONDON, E.C.1.
Clerkenwell 3370

P.A.T.A

DESBY'S

pure

HONEY, GLYCERINE & LEMON

Cough Linctus

a popular product at a popular price made from *real* Lemon Juice, *pure* Honey and Glycerine. The ingredients speak for themselves — you cannot afford not to stock this quick-selling line.

Ask also for particulars of our other pure food products

Sole Distributors in Scotland
Pharmaceutical Distributors Ltd., 187, St. Vincent Street, Glasgow, C.2.

STOCK and DISPLAY — it sells itself

Manufactured by
D. Bee Food Products Ltd., New Charles St., Goswell Rd.

ANADIN

TRADE MARK

TABLETS

THE PROFESSIONALLY RECOMMENDED ANALGESIC

'Anadin' Tablets are being intensively detailed to the Medical, Dental and Nursing Professions, for the relief of headaches, rheumatic and after extraction pains, and for aborting colds. They in their turn are recommending 'Anadin' Tablets to their patients for the relief of pain.

See that your stocks are adequate for the still increasing demand for this extremely effective analgesic. 'Anadin' Tablets can be included with other I.C.C. lines to qualify for Co-operation Discounts of 12½% on orders of £10 and over; 10% on orders of £5 and over.

	SMALL	LARGE
Retail prices *(incl. purchase tax)* ..	1/8	3/4
Trade prices *per dozen*	12/-	24/-
purchase tax per dozen	4/-	8/-

INTERNATIONAL CHEMICAL COMPANY LTD., CHENIES STREET, LONDON, W.C.1

Seasonable demand . . rapid sales! . .

VELOCIUM

THE SPEEDY TREATMENT

STILL THE BEST FOR COLDS & CATARRH

Showcards and Window Bills available

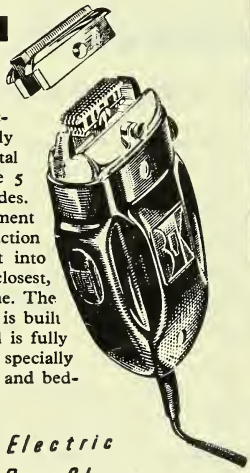
36 tablets 27/- per dozen. plus 9/- Tax.
12 tablets 11/3 per dozen. plus 3/9 Tax.
Retail prices 3/9 and 1/7

Sole distributors

EMMET DISTRIBUTIN COMPANY LIMITED
140 Park Lane, London, W
Tel.: MAYfair 6756

E.M.4.A.

The BUK wins . . . on its head



The secret of BUK'S success lies in its head. Only a wafer thinness of metal separates bristles from the 5 tempered, hardened blades. With every complete movement of the vibrator 150 double action cutting edges are brought into play, and the result is the closest, smoothest shave of a lifetime. The BUK, simple and robust, is built for a trouble-free life, and is fully guaranteed. The BUK is specially recommended for disabled and bedridden patients.

BUK *Electric Dry Shaver*

● Guy, Morrison & Co. Ltd., 3 Bayley St., Bedford Square, London, W.C.1. Museum 8744 (4 lines).

'Semprolia'

D. D. T.

HAIR EMULSION

... a new effective treatment for head lice..

A new formula Emulsion, contai D.D.T. as the a ingredient, for control of head Pleasantly perfu and simple to use. Apply by massaging the scalp. No combi required except for th moval of dead lice. T ment is economic individual application drachms only.
List price 8/- (plus Retail price 1/3 (incl. tax).

ALSO STILL RECOMMEND

'Semprolia BRAND

MEDICATED (LETHANE) HAIR OIL N.W.F.

STEMCO Ltd., 128 Albert St., Camden Town, N.

Agents in Eire: May Roberts (Ireland) Ltd., Du

Firm Favourites!

with every member of the family . . . .

CUTICURA PREPARATIONS

(MEDICINAL AND TOILET)

SOAP · OINTMENT

TALCUM POWDER · SHAVING STICK

These grand aids for skin-care have been giving confidence and satisfaction for over 65 years. Profits are good — Advertising consistent and widespread. Sales-promoting window displays always at your service.

The following attractive products, each with a universal appeal, will shortly be added to the popular Cuticura Range:

HAND CREAM · BABY OIL

SHAVING CREAM · LIQUID ANTISEPTIC

AFTER-SHAVE LOTION

British Distributors: NEWBERY & PHILLIPS LTD.
203, Victoria House, Southampton Row, London, W.C.1
TELEPHONE: HOLBORN 1564

for

THE POTTER DRUG & CHEMICAL CORPORATION
205-207, Victoria House, London, W.C.1

318

The fall of the leaf,

nature's visual sign of the approach of winter, the time when constantly changing temperature increases the incidence of the common cold.

P.A.T.A.

Serocalcin is acknowledged by many authorities to be an effective preparation for assisting in the prevention and treatment of colds. Many thousands will shortly be starting their prophylactic course.

Meet this demand for Serocalcin by ordering your supplies as soon as possible. Packed in 20's and 60's.

★ **Pharmacists are reminded that the sole selling agents for Serocalcin in the United Kingdom are J. C. Eno, Ltd., Watford, Herts (Watford 7761), to whom all orders and enquiries should be sent.**

SEROCALCIN

FOR THE PREVENTION & TREATMENT OF COLD

HARWOODS LABORATORIES LTD · WATFORD · HERTS

Printed by The Haycock Press, Ltd., 106-140 Neate Street, Camberwell, S.E.5, and Published by the Proprietors, Morgan Brothers (Publishers), Limited, at 28 Essex Street, Strand, London, W.C.2. (77

The CHEMIST AND DRUGGIST SUPPLEMENT

Supplement is in- l in every copy of hemist & Druggist

28 ESSEX STREET, LONDON, W.C.2.

OCTOBER 23 1948

ORRIDGE & CO. (Estd. 1846)

N.H.S. and STOCKTAKING

Vith the increased volume of dispensing which in many areas appears likely to be tremendous in Vinter months, it may be extremely difficult for Pharmacists to devote their valuable time to taking, and as a consequence we beg to offer our services; scale terms. We are able to furnish a lete Inventory of Stock and to give the results within approximately seven days of the completion e Schedule at cost and retail showing Purchase Tax separately allocated under the various headings atents, Toilets, Sundries, Drugs, Returns, Photographic, Nostrums, etc. There is no additional e for supplying the Inventory, but we suggest that this detailed information will be of great value tail Pharmacists having regard to the present heavy stocks which we find are generally held ghout the country. We are in a position to carry out this useful work as a consequence of lete mechanisation of the Pricing Department with Calculating Machines operated by experts— forward which we suggest will be advantageous to all Chemists.

CHEMISTS' OWN STOCK SHEETS PRICED

Belfast. Main road Chemist's business for disposal either outright or controlling interest. esale connection. Net profits over £5,000 per annum. Beautifully fitted shop. Fixtures worth ast £3,000. Stock worth over £7,000. Scope with additional capital. Price of business £15,000 spect of the very valuable lease. Goodwill and fixtures plus the stock at valuation, or alternatively of the issued share capital could be acquired. Banker's reference with application.

South Africa—Transvaal. General retail business, scope for optics. Turnover last year £1,311. worth over £1,200. Attractive fixtures and fittings. Total purchase price required £6,500, preferred. Many other businesses for sale in the Union, details upon request.

Drug and Perfumery Business. Turnover this year £8,000. Net profit about £1,600. Small accommodation. Freehold property in main road for sale. For quick sale Vendors will accept ears' lease at £5 per week plus rates and £2,500 for the lease and goodwill. Stock will be ced to about £2,500.

184 STRAND · LONDON · W.C.2

elephone : TEMPLE BAR 9212/3—6340 Telegrams : Orridgchem Estrand, London

Branch Offices: 36 Cannon St., Birmingham, 2 Phone : Midland 6547
77 High St., Shirley, Southampton Phone : Southampton 71708

for SALES, PURCHASES, VALUATIONS, STOCKTAKING *and* ASSESSMENTS

BUSINESSES FOR DISPOSAL

ds 8/6 (minimum) then 3d. per word. Box 2/-

ON-ON-SEA, prominent position near G.P.O. date drug store, modern d/f shop premises; nt living accommodation over. Exceptional unity for expansion. Freehold, goodwill, s, fittings, £10,000, s.a.v. Full particulars, Agent, Ernest Johnson, 7 High St., Clacton- . Phone 74.

LE-CLASS BUSINESS closing down, owing to ation of tenancy. Stock and fittings for sale ation. Box 4/932.

Vacancies advertised are restricted to persons or employments excepted from the provisions of the Control of Engagements Order, 1947.

SITUATIONS OPEN

36 words 8/6 (minimum) then 3d. per word. Box 2/-

RETAIL (HOME)

AN OPPORTUNITY for experience as assistant manager, lady or gentleman, qualified. Light duties. London, S.E. district. Apply Clements Wintons, 66 High St., South Norwood, S.E.25.

Situations Open—Continued

A SMALL LIMITED COMPANY of pharmaceutical chemists operating in the suburbs have vacancies for three experienced pharmacists in the following areas: Ilford, Woodford, Wembley. The salaries to be paid in each instance would be £575 per annum, plus other emoluments. The positions offer security of tenure, along with a satisfactory pension scheme. All applications will receive careful consideration along with an appointment to discuss with the Managing Director the prospects and possibilities. Box 4/861.

ARMY & NAVY STORES, LTD., require dispensers (male and female). Also experienced pill-maker. Hours 9.45 a.m. to 5.30 p.m. Saturdays 1 p.m. Apply by letter, stating age and experience, to Staff Manager, 12 Artillery Row, S.W.1.

ASSISTANT MANAGER or manageress required for high-class central pharmacy. Large staff, optical and surgical departments, T.S.A. Licence. Permanent progressive post offering considerable scope for advancement. Apply with full details, Smalleys, Chemists, Carr St., Ipswich.

BOOTS THE CHEMISTS have vacancies in a number of districts for qualified assistants, male and female. Salary (male) Central London £8 15s. and £10 5s. Metropolitan District £8 7s. 6d. to £9 17s. 6d. Provinces £8 to £9 10s. (Female) Central London £8 5s. to £9 15s. Metropolitan District £7 17s. 6d. to £9 7s. 6d. Provinces £7 10s. to £9 according to age. Engagements are on a permanent basis with good prospects and eligibility for pension, life assurances, etc. There are also a number of vacancies for unqualified assistants fully trained in the business and including those dispensers who have been released by doctors, etc. Good remuneration with a view to permanency, pension scheme, etc. A bonus is paid to all staff engaged in dispensing. Applications should be made to Retail Staff Department, Station St., Nottingham, stating age, experience and districts preferred.

BUTT LINE INDUSTRIAL Co-operative Society, Ltd., require a qualified pharmacist to manage branch shop. Applications invited from pharmacists (male or female) stating age, experience, qualifications and salary required. Optical qualifications an advantage. House available. Superannuation scheme in operation with transfer clause. Applications to General Manager, Congleton Rd., Butt Lane, Stoke-on-Trent.

COMMENCING Salary of £12 per week for Qualified lady or gentleman pharmacist in a progressive and secure position. S.E. London. Box 4/777.

CREWE. Modern house available. Pharmacist (male or female) wanted immediately to open new branch. Permanency. Superannuation scheme. Applications, stating age and full details of qualifications and experience, to Crewe Co-operative Friendly Society, Ltd., Co-operative St., Crewe.

DERBY CO-OPERATIVE Provident Society, Ltd., have vacancy for a young qualified assistant (lady or gentleman). Duties mainly dispensing. Well equipped, separate premises; other dispensing staff employed. Any rota services shared. A congenial, attractive position is offered to suitable applicant. Apply by letter, giving full particulars to Secretary, Albion St.

EXPERIENCED ASSISTANT required, qualified or unqualified, dispensing and counter. Good wages paid. Apply Managing Director, Lewis Wing, Ltd., 86 Regent St., Weston-super-Mare.

GLOUCESTER. Excellent opportunity offered for pharmacist superintendent director, male or female, to start new business with no opposition, in pleasant area. Good salary and commission. Preferably own accommodation, but newly decorated flat available if required. Box 4/916.

HULL. Pharmacist required to take charge of dispensing department. Salary offered £10 per week. Write, giving full particulars, with age, also available references, which will be returned promptly. V. & E. Wall, Ltd., Chemists, 437 Anlaby Rd., Hull. Phone 11916.

HECKMONDWIKE and District Co-op Society, Ltd. Qualified pharmacy branch m required, male or female; permanency for s applicant. Superannuation scheme in op with transfer clause. House available in ple situated district. Applications, stating ag experience, to the Secretary, Heckmondwil District Co-operative Society, Ltd., 3 Oa Heckmondwike.

LADY ASSISTANT (unqualified) for dispensi counter in good-class pharmacy in country town. Responsible, capable and dependable saleswoman essential. Apply, giving full par of experience age, salary required and whe able. Gibson & Son, Chemists and Opticia Old Pharmacy, Hexham, Northumberland.

LADY PHARMACIST, qualified, young or aged, required as assistant (sometimes in in country pharmacy in Sussex. Light pleasant surroundings, no duties. Apply Box

LADY, UNQUALIFIED, for pharmacy in L area. Apply Lewis & Burrows,, Ltd., 146 H E.C.1.

LANCASTER GATE, LONDON. Manager r for F. Andrews, 34 Leinster Terr., W.2. class dispensing business. Salary and com No living accommodation. Please apply Ball, 151 Westbourne Terr., W.2. Pad.

LONDON CO-OPERATIVE CHEMISTS, LTD., sale Department, Grange Rd., Leyton, E. quire an experienced unqualified male assist the surgical and sundries department. Ful culars in the first instance to Superin Chemist.

MANAGERESS required for cosmetic and to partment. Kindly forward full particulars instance. Box 4/782.

MANAGER REQUIRED for new and moder macy at Upminster. £750 p.a. offered t keen man. Must be qualified. Apply 4 Cameron Rd., Seven Kings.

MIDDLESBROUGH Co-operative Society, L quires pharmacist, either sex, to manage shop. Good wages and conditions. Superan scheme. Permanent progressive position. tions to General Manager, Emporium, M brough.

MIDLAND AREA (South of Birmingham). macist manager about 35, for substanti established business, with vigorous dispensi counter. Probability of early succession t man. Conditions are congenial, and the reliable staff. Applications from experience macists with some knowledge of managemen ing and staff control are desired. There house available, but help in the provision will be given if needed. Commencing sa include bonus will be not less than £750 p Please send full particulars of experienc height and photo if possible, to A. F. P. c 4/915.

M.P.S. for family business. Main work dis Situation near Aldgate Tube Station. Easy Good wage paid. Box 4/913.

OPTICIAN, C.P.C. LIST. Qualified, pr F.S.M.C. or F.B.O.A., required for North try market town. Optical practice. Permane tion. Apply, giving full particulars of exp age, salary required and when available. G Son, Chemists and Opticians, Hexham, N berland.

ORRIDGE & CO., Employment Agency, 184 W.C.2. Temple Bar 9212/3. Branches at ampton and Birmingham. Enquiries invite all employers seeking staff. Many pharmac unqualified assistants available for retail and sale. Representatives also requiring sit Reasonable terms. Write to 184 Strand, for particulars.

PHARMACIST required for dispensing dutie in busy pharmacy with T.S.A. license. A letter, stating age, experience, and wage re to Secretary, Hartlepools Co-operative C Ltd., Stockton St., West Hartlepool.

Situations Open—Continued

ACIST, take charge of branch, Paddington Good salary and prospects for suitable ap- Apply Box 4/784.

IED ASSISTANT PHARMACIST required for ntral pharmacy. Permanent, congenial posi- th good working conditions. Apply, stating perience, and wage required, to The Secre- ockport I. & E. Co-operative Society, Ltd., hestergate, Stockport.

IED BRANCH MANAGER required. £10 k and commission on dispensing (minimum Accommodation available. Superannuation in operation. Apply Kidderminster Co- e Chemists, Ltd., Oxford St., Kidder-

, QUALIFIED. Immediately. Must be ic and efficient. Apply with full details, age perience. Flowden, 20 Shardlow Rd., Derby.

ROYAL ARSENAL Co-operative Chemists, as vacancies in South-east and South-west of London for qualified pharmacy mana- Salary, based on sales, ranging from £550 0 per annum, plus commission on health ce dispensing. Permanent progressive posi- Superannuation scheme in operation. Appli- stating age, experience, whether married le, to the Staff Manager, 113, Powis St., ch, S.E.18.

ALIFIED ASSISTANT (male) under 40 for ash business with considerable N.H.S. work, , S.W. Four-room flat over shop available. ge, details of experience, when at liberty ary required, to Box 4/929.

ALIFIED. £9 per week offered to competent t for dispensing and counter. High-class cy, Earls Court, S.W.5. Permanency. in confidence, stating age, to Box 4/902.

ALIFIED, experienced dispensing assistant d by chemist, Hammersmith area. Apply 783.

ALIFIED DISPENSER required. Male or Applicant should be first-class counterhand. ed advantage would be a flair for window g. Salary in accordance with experience and For interview, write Hand's Pharmacy, stlenau, London, S.W.13 or phone River- 47.

ED, male or female, experienced or just d dispenser for new shop, 20 miles London. d company now being formed; an interest e to suitable applicant might be considered. first instance, to Box 4/818.

ED. Pharmacist-optician as departmental er and buyer. Annual sales approximately 0. N.U.C.O. scale of wages. Superannua- cheme with transfer clause in operation. bedroomed house available in residential dis- Modern shop. Apply by letter, giving full including age and present position, to l Manager, Sowerby Bridge Industrial , Ltd., 60 West St., Sowerby Bridge.

G LADY, unqualified, for chemist's counter. Saturday half-day. Apply Box 4/919.

EEKLY OFFERED unqualified assistant (either or working-class business with busy N.H.S., few minutes Waterloo Station, London, Can wait if necessary for suitable applicant. in strict confidence, to Box 4/603.

LOCUMS WANTED

ISTS, QUALIFIED, wanted, male or female, as locums in Ayrshire. Salary £12 12s. per Applications, stating details, to The Tech- Supervisor, Scottish Co-operative Wholesale , Ltd., Retail Drug Dept., Bogmoor Rd., hall, Glasgow, or phone Govan 2400, ext. 154.

The Institute of Chemists-Opticians,
2 Clements Inn, Strand, W.C.2

For Syllabuses of the Institute's Examinations and all further information, write to the Hon. Secretary, J. Ross-Mansell, Ph.D., B.Sc.

QUALIFIED LOCUM required November 1st for one month, or until permanent pharmacist is appointed. V. & E. Wall, Ltd., Chemists, 437 Anlaby Rd., Hull. Phone 11916.

WHOLESALE

A MANUFACTURING FIRM require several representatives on commission only or salary, expenses and commission, to extend the sale of their products to retail and wholesale chemists and allied trades in various parts of the country. Existing accounts handed over. The positions are worth from £600 to £1,000 per annum. Fullest particulars to Box 4/871.

ASSISTANT TO MANAGING DIRECTOR

A well-known firm of Manufacturing Chemists in London with a large Home and Export trade require a man with Pharmaceutical qualifications and with wide experience in Sales Promotion, Publicity, Staff Management, etc. The post is an important one, offering a permanent career with excellent prospects, and carries a salary of £1,500 p.a. or more according to experience. Please give particulars of age, qualifications and experience, in confidence, to Box 4/884.

AN EXCELLENT OPPORTUNITY will very shortly be available to a salesman of calibre to represent an old-established perfumery house to the chemist and allied trade in the counties of Staffs, Shrops, Warwick, Worcs, etc. Applicants, who must reside in Birmingham area, should state age, education and experience, in confidence. Box 4/899.

AN OLD-ESTABLISHED London house require a young qualified assistant chemist, capable of conducting routine analysis of products, and supervision of poisons. Write, giving full particulars of age, experience and salary required. Box 4/895.

ASSISTANT with some pharmaceutical experience required for pill department of manufacturing chemists in London area. Apply with full particulars and salary required, to Box 4/897.

ASSISTANT EXPORT MANAGER required in London by a firm of manufacturing chemists having a large and rapidly growing turnover in all parts of the world. Only those experienced in the pharmaceutical industry need apply. The post is a permanent one, offering unique prospects to a keen man of real ability. A good salary will be paid to the successful applicant capable of undertaking increasing responsibility. Please reply, giving details of age, previous experience, etc., to Sales Manager. Box 4/796.

CHEMIST REQUIRED, thoroughly conversant with toilet, perfumery and cosmetic preparations. Must have previous experience. Able to take charge of production. Progressive post to keen energetic man. Write full particulars, salary required, to Mr. Norton, Director, Hanri, 417 Battersea Park Rd., London, S.W.11.

DRY MAN, must be experienced. Full particulars to Clay & Abraham, Ltd., 87 Bold St., Liverpool, 1.

JUNIOR WANTED for analytical laboratory in the Midlands. Inter B.Sc. standard. Some experience of the assay of galenicals and chemicals an advantage. Box 4/937.

Situations Open—Continued

FIRST-CLASS SALESMAN required by U.K. distributors with sole selling rights for eight nationally known proprietaries, mostly C.F., and other lines. Only applicants with at least 10 years' experience with reputable houses, and outstanding selling record need apply. Age between 35 and 45. Well-established connection with chemists and stores in counties of Middlesex, Oxfordshire, Berkshire, Wiltshire, northern halves of Hampshire and Surrey essential. Permanent and progressive post to right man. Salary and commission (or commission only, if preferred). Preference given to man with own car. Write fully to Box C718, Erwoods, Ltd., 211 Piccadilly, W.1.

HEATH BROS & SONS, LTD. (Est. 1887). Wholesale chemists sundries, 98-100 Chapel St., Salford, 3, Lancs, will have a vacancy for a representative about December 30th, 1948. The ground is established and a car would be an advantage. Applicants must reside within easy reach of Manchester. Salary, commission and expenses.

LADY PHARMACIST (recently qualified C. & D.) required by old-established firm of manufacturing chemists on the South Coast. Duties will consist mainly of routine assay and analytical control work. Previous experience not essential. Commencing salary in the region of £350-£400 p.a. Reply, giving full particulars, to Box 4/893.

LEADING COSMETIC MANUFACTURERS require a first-class representative for both West Riding of Yorkshire and Lancashire. Excellent appointment, salary, commission, expenses and a car allowance. Preference will be given to car owners with experience of the retail chemist and departmental store trade. Please give full details, including previous employers and experience in first application, to Box 4/909.

MANESTY MACHINES, LTD., Liverpool, require technician experienced in tablet making, coating, etc., for experimental and development work. M.P.S. an advantage. Address reply to Managing Director, Manesty Machines, Ltd., Speke, Liverpool, 19.

MANUFACTURING CHEMISTS in North-West area require a qualified laboratory assistant, principally for analytical work. Full details to Box 4/908.

MEDICAL LITERATURE. Manufacturing chemists in London require from time to time assistance in the preparation of literature for the medical profession. To a suitable applicant with experience and a natural flair for this specialised work, arrangements could be made for the work, which is well paid, to be undertaken on a free lance or spare time basis. Only those with the necessary qualifications should apply, giving details of age, literary experience, etc., to Box 4/851.

OLD-ESTABLISHED London drug house requires representative for London area, mainly South of the Thames. Must have live personal connection. Salary, expenses and commission. Apply, giving in fullest detail, experience and qualifications, to Box 4/917.

OLD-ESTABLISHED manufacturing chemists have openings for experienced representatives calling on wholesalers, chemists, multiple shops and hairdressers, to carry well-known toilet and medicinal lines. No objection to one other non-clashing line. Territories available: Scotland, Yorkshire, Midlands, Wales, West Country and Home Counties. Please supply all details in first instance. Commission basis. Box 4/857.

OLD-ESTABLISHED perfumery manufacturers require travellers for London area and South Coast. Popular-priced, well-selling products supported by efficient sales help. Applicants, please give details of experience, to Box 4/888.

OLD-ESTABLISHED FIRM of manufacturing ists requires representative to take chars develop London area for medicinal and ho proprietaries, also standard pharmaceuticals. commission and expenses. Apply, giving full of previous experience, etc., to Box 4/925

PHARMACIST for control of manufacture of and galenicals required by a firm of manufa chemists near Manchester. This position scope for a man with ability and energy. giving full particulars of experience and confidence, to Box 4/931.

PHARMACISTS. Applications invited, to take of (a) galenical laboratories; (b) sterile p production unit. Preferably young, with manufacturing experience. N.W. area. F tails to Box 4/864.

PHOTOGRAPHIC distributing trade warehou tant wanted. Euston, N.W. London distric manent position. Write full particulars, Bo Saward, Baker & Co., Ltd., 27 Chancery London, W.C.2.

WRIGHT LAYMAN & UMNEY, LTD., invite cations for the post of representative to chemists in South-West England. Remu is by salary and commission, together with ling expenses and car; staff pension sch operation. Applicants, who should be phar are asked to send by letter full particulars qualifications and experience, to Managing tor, 46 Southwark St., London, S.E.1.

PROGRESSIVE MANUFACTURERS of pharm cal specialities with rapidly expanding ho overseas sales, require first-class representativ to take over these territories: (1) Lond Middlesex· (2) Dorset, Somerset, Wiltshire, Cornwall; (3) Midland Counties. Sole considered. Appointments provide exceptio vantages and prospects to conscientious, ente men. Interviews arranged with applicants p necessary qualifications and supplying proof continuous connection with pharmacists, and Co-ops. Fullest information essential letter, including if car owner, age and frequ calls. Box 4/912.

PUBLICITY. Copywriter required for ethic cal veterinary and pharmaceutical advertisin rial. Pharmaceutical qualification e Previous publicity and/or medical repres experience useful but not essential provide is a genuine flair for copywriting. Initia £500-£600 according to qualifications and ence. Application forms obtainable from P Officer, May & Baker, Ltd., Dagenham, Kindly quote reference number 2000.

PUBLICITY. Pharmacist (male) required sonal assistant to publicity manager. Thi outstanding opportunity for a young man to enter upon a permanent career in com publicity. The position has excellent p for the right man. Apply initially in quoting Ref. No. 1941, to the Personnel May & Baker, Ltd., Dagenham, Essex.

QUALIFIED CHEMIST required for the November 15th-19th inclusive for attendan stand at the London Medical Exhibition. in writing to Coates & Cooper, Ltd., 21 E Rd., Northwood.

Situations Open—Continued

IFIED PHARMACIST with some knowledge of andising required for the development of etary ethical pharmaceutical preparations for and export. Applicant should have a know- of the manufacturing processes involved. stating age, qualifications, past experience lary required. Box 4/934.

ESENTATIVE required by old-established on Drug House. Must have live, personal con- n in East Anglia (Thames to the Wash). Salary, ses and Commission. Apply stating qualifica- experience in fullest detail to Box 4/827.

ESENTATIVE—HOME COUNTIES. Resident me experienced well-connected representative ed. Salary and expenses basis, to further the sts of well-established proprietary milk food retail chemists. Detailed application in ence to Box 4/643.

ESENTATIVE required for medical propaganda ndon area. Previous experience and own car ble. Good opportunities for advancement are d to young man with initiative. Applicants l give fullest particulars of age, education, ience, salary expected, in first letter, to /898.

ESENTATIVE required by old-established Lon- ouse for Midland territory. Applicants should live connection with retail chemists and pre- ly some previous retail experience, not neces- qualified. Please state age, experience and neration required. Box 4/894.

ESENTATIVES, full or part-time required. All cts British Isles. Chemist sundries and attrac- fancy goods. Expenses and commission. Ap- Chemist Sundries Corp., 94 Aldersgate St., on, E.C.1.

ESENTATIVES, resident London, Bournemouth, ol, Exeter or Plymouth, are invited to con- established chemist sundries' house. Alter- ely would consider appointment of agents hand over existing connection. Apply in con- ce to Box 4/807.

ESENTATIVES for London area required for fast-selling cosmetic. Offers big money to with proved connection with departmental s, wholesale and retail chemists and hair- ers. Good salary, commission and expenses. rtising for the line being undertaken. Box 1.

ESENTATIVES required for established cos- cs for Scotland, Northern Counties, Birming- and West Country. Attractive salary, com- ion and expenses. Residents in territories with ed connections amongst retail and wholesale uists. Car owners preferred. Present staff know hese vacancies. Write full details to Box 439, George Murray (Advertising), Ltd., 184 nd, London, W.C.2.

ESENTATIVES wanted to handle, as additional nationally advertised proprietary home per- ent waving kit. Box 4/918.

ESENTATIVES required for live wholesale se, carrying usual chemist lines. Good connec- with chemists essential. London and Home nties only. Worthwhile remuneration for good . Apply Martin Brent, Ltd., Beresford Ave., ebridge Park, Wembley. Phone Wembley 2113.

QUIRED by Argentine exporters; first-class, ng, alert executive, well experienced and with l connections in the bone, fertiliser and animal product trade in the U.K. and on the Con- nt, to manage new branch to be opened in Lon- . Write, giving full particulars of qualifica- s and references, salary required, to Box 4/844.

SALES MANAGER required, with pharmaceutical qualifications, to assist the Managing director of a progressive firm of manufacturing chemists in London. A man of executive ability is sought with a wide knowledge of the trade, including sales development, the control of representatives, etc. The post is an important one, carrying a four figure income, and offers a permanent career with unique prospects to a man capable of undertaking increasing responsibilities. Please reply, giving age and details of experience, which will be treated in strict confidence, to Box 4/853.

SPECIALITY PIONEER for advertised cosmetics, meeting today's market conditions, required for London and Provincial areas, with proved connection with departmental stores, wholesale and retail chemists and hairdressers. Attractive salary, commission and expenses. Box 4/920.

SUGAR COATER. An opportunity occurs for a first-class coater, with experience in all types of plain and coloured work, to take charge of department in old-established London house. Write, giving details of age, experience and salary required. Box 4/896.

THE BRITISH DRUG HOUSES, LTD., require a pharmacist, under 35 years of age, for their warehouse organisation. Staff facilities include five-day week, pension, canteen, sports and social club, etc. Please apply in writing, stating age, experience and salary required, to the Personnel Manager, Graham St., London, N.1.

TOILET ROLLS. Representative required for registered brand, calling on wholesalers and retailers. Write, Box W. 587, Willings, 362 Gray's Inn Rd., London, W.C.1.

TRADING MANAGER required to take charge of department leading drug and produce merchants. Full experience London produce market essential. Good salary and prospects. Reply in confidence. Box 4/877.

TWO CAPABLE, experienced, unqualified assistants required, one for putting up orders and one to train as stock-keeper, in pharmaceutical department of J. R. Gibbs, Ltd., Wholesale Chemists, Manor Avenue, Paignton, Devon. Please apply in writing, giving details of experience and salary required.

TYPIST-CLERK required immediately for the Circulation Department of Morgan Brothers (Publishers), Limited. Age 18-20. Office hours, 9.30 to 5 p.m. No Saturdays. Write, giving full particulars of age, experience, and salary required, to the Staff Director, Morgan Brothers (Publishers), Limited, 28 Essex St., Strand, London, W.C.2.

UNQUALIFIED ASSISTANT, male, experienced drugs, patents, sundries, for wholesale manufacturing chemists in York. Write, stating age, previous experience, etc., to Box 4/817.

UNQUALIFIED ASSISTANT required for pharmaceutical speciality manufacturing, by London manufacturing chemists. Apply, giving full particulars of experience, to Box 4/924.

UNQUALIFIED LADY required for testing and works laboratory of chemical manufacturers North London. Applications with full particulars, training, experience, if any, age and salary required, to Box 4/532.

WANTED. Enthusiastic and energetic young man with experience, to assist chemical merchants. Good prospects. Box 4/910.

WANTED by small Yorkshire wholesaler, qualified man for manufacturing, willing to do some outside representation. State experience and salary required. Box 4/928.

Situations Open—Continued

WELL-KNOWN MANUFACTURING chemists have vacancy on representative staff for a pharmacist with wide experience in the retail business. In addition to the regular contacting of retailers and wholesalers, the successful candidate will be required to call upon doctors and dentists. The post is interesting and progressive. Remuneration by salary and expenses. Residence on the territory, which comprises Lincs, Notts, Leics, and Derby, is essential. Applicants should give fullest particulars of experience and age in fullest confidence. Box 4/887.

WHOLESALE (OVERSEAS)

SINGAPORE. Sharp & Dohme, Ltd., require a first-class representative for Malaya, with headquarters in Singapore. Applicants must be qualified, with up-to-date knowledge of modern therapeutics. Age between 25 and 35 years. Single. Initial term for 3 years. In addition to salary, generous high cost-of-living bonus and quarter's allowance paid. Apply Export Division, Sharp & Dohme, Ltd., Hoddesdon, Herts.

SOUTH AFRICA. Messrs. Savory & Moore's representatives in South Africa are about to appoint a young pharmacist, single, aged about 28, to call upon doctors and hospitals in South Africa for medical specialities. The person appointed will join the staff of the South African company, but will be engaged in the main in propaganda for the products of Savory & Moore, Ltd., and Knoll, Ltd., in addition to such other specialities as the South African company may select. Enquiries, giving full particulars and if possible enclosing photograph should be sent to R. Vernon, Savory & Moore, Ltd., 60 Welbeck St., London, W.1.

SITUATIONS WANTED

18 words 3/- (minimum) then 1d. per word. Box 1/

RETAIL (HOME)

ADVERTISER, 12 years' West End experience, every branch of the trade, wants management of drug store, London or Eastern Counties. Steady and reliable. Good references. Box 4/935.

LADY DISPENSER (Apothecaries' Hall certificate) requires post, London. G. Parsons, 15 Cherry Tree Cres., Fishponds, Bristol.

QUALIFIED DISPENSER, or assistant, requires permanency, London area preferably, or temporary position entertained. 30 years' retail, pharmacist, unregistered. Gregory, 16 Norfolk Sq., London, W.2.

STOCKTAKING, quiet and efficient workmanship, over 30 years' practical experience. Personal supervision. C. W. Playfoot, 8 Aylward Rd., Merton Park, S.W.20. Tel. Liberty 4104.

LOCUMS SEEKING ENGAGEMENTS

EXPERIENCED LOCUM available from November 8th; long or short periods. All replies acknowledged. Please state hours of duty. W. Hilton, 96 Kenpas Highway, Coventry.

WHOLESALE

ADVERTISING EXECUTIVE, many years experience pharmaceutical trade, home and export, desires change. Replies to Box 4/828.

"AM I TOO OLD AT 43." First-class representative desires to contact house of repute in the allied trades for full-time representation anywhere in England. 23 years' active representation, 10 in Eastern Counties. Outstanding sales personality. Highest references. Live, enthusiastic and conscientious man, willing to give his best to an appreciative employer. Fit and energetic. Time and place no object. Free to interview anywhere in country. Fullest particulars available on request to Box 4/936.

GENERAL MANAGER, firm of manufacturing ch ists, desires change London or Middlesex ar ethical firm. University graduate, pharmacist, cellent business and executive qualifications. G and proven organising ability, unbounded en siasm and energy, provided congenial atmospl prevails in which circumstances salary is of sec ary importance. Advertiser has sound and siderable hospital connections and contacts people who matter. Please communicate Box 4/867.

M.P.S. (29), laboratory manager in charge of m facture of galenicals, tablets, proprietary medici etc., experienced all forms of works routine, cluding records, D.D.A. returns, formulation, sires change to progressive organisation w conscientious service is appreciated. West Ri preferable unless accommodation available. 4/927.

WORKS CHEMIST. Analytical and works con fine chemicals, galenicals, essential oils, disi tants, etc. Moderate salary. Disengaged. 4/901.

APPOINTMENTS

2/6 per line (12 lines = 1"). Box 2/-

BARROW AND FURNESS HOSPITA MANAGEMENT COMMITTEE

Applications are invited for the non-reside post of ASSISTANT PHARMACIST at t North Lonsdale Hospital, Barrow-in-Furne at the scale salary of £370-£450 per annu Previous experience may determine comme cing salary. Appointment subject to t National Health Service (Superannuation) R gulations and to passing medical examinatio Applications, stating age, qualifications a experience, and accompanied by copies of t recent testimonials to be forwarded to t Secretary to the Committee, 52 Paradise S Barrow-in-Furness, not later than 9th Nove ber, 1948.

BROMPTON HOSPITAL, S.W.3

Applications are invited for the post ASSISTANT PHARMACIST. Salary in a cordance with the recommendations of Joi Negotiating Committee.

Applications, stating age and previous expe ence, and accompanied by copies of three r cent testimonials, must reach the undersign not later than Saturday, 6th November, 194

F. G. ROUVRAY.
House Governor.

FOUNTAIN HOSPITAL MANAGEME COMMITTEE, TOOTING, S.W.17

Application is invited for the post of ASSIS ANT PHARMACIST at a salary ranging fro £370-£450 per annum. Candidate with h pital experience will be preferred, but is n essential, and in determining the commenci salary experience in the trade will be tak into account.

Applications, stating age, qualifications, a experience, should be sent to the Secreta within 14 days from the appearance of t advertisement.

KING'S COLLEGE HOSPITAL, DENMARK HILL, S.E.5

REGISTERED ASSISTANT PHARMACIS required. Salary and hours in accordance wi the J.N.C. scales. Applications with details experience should be sent to The Pharmaci at the above address.

MIDDLESEX COUNTY COUNCIL

GISTERED ASSISTANT PHARMACIST NORTH MIDDLESEX COUNTY HOSAL, Edmonton, N.18. J.N.C. (Hospital fs) Scale. £370 to £450 inc. Similar exence may determine commencing salary. ble time, established, pensionable, subject medical examination. Applications, stating qualifications, experience, with copies of to three recent testimonials, to MEDICAL RECTOR of Hospital immediately (quoting 91 CD). No forms.

C. W. RADCLIFFE,
Clerk of the County Council.

MIDDLESEX COUNTY COUNCIL

GISTERED ASSISTANT PHARMACIST uired at HAREFIELD COUNTY HOSPIL, Harefield, Middx. J.N.C. (Hosp. Staffs) ry £370-£450 p.a. inclusive. Similar exence may determine commencing salary. ently qualified pharmacists eligible. Whole-e, unestablished, possible establishment, sub- to medical examination. Application, stat-age, qualifications, experience, with copies up to 3 recent testimonials, to MEDICAL RECTOR at HOSPITAL, IMMEDIATELY oting E.146 CD).

NATIONAL HEALTH SERVICE ACT 1946

GROUP 15 HOSPITAL MANAGEMENT COMMITTEE

istant Pharmacist (male) required immetely at the Salop Infirmary, Shrewsbury 5 beds). Salary in accordance with the nt Negotiating Council Scale. Newly quali-l applicants considered.

Applications, with details of experience and ilifications to be sent to the undersigned.

J. P. MALLETT
0/48. Secretary.

REDHILL COUNTY HOSPITAL

EDGWARE, MIDDLESEX

GISTERED ASSISTANT PHARMACIST uired. J.N.C. (Hosp. Staffs) salary £370-50 p.a. inclusive. Similar experience may ermine commencing salary. Whole-time. ablished, pensionable, subject to medical exination. Application, stating age, qualifica-ns, experience, with copies of up to three ent testimonials, to Medical Director of spital immediately (quoting D.815 CD). No ms.

SOUTHEND-ON-SEA HOSPITAL

GENERAL HOSPITAL, ROCHFORD

plications are invited for the position of SISTANT PHARMACIST at the above hosal. Candidates should hold one of the regisable qualifications of the Pharmaceutical ciety. The salary is in accordance with the commendations of the Joint Negotiating mmittee (Hospital Staffs) i.e., £370 x 5 (4) x £20 (1) to £450 per annum. The mmencing salary will depend upon previous spital experience.

The position is subject to the provisions of e National Health Service (Superannuation) gulations, 1947. Application forms may be tained from, and must be returned as soon possible to, the Medical Superintendent, neral Hospital, Rochford, Essex.

JOHN WILLIAMS.
Secretary,
Hospital Management Committee.
Warrior Square,
Southend-on-Sea.

WITHINGTON HOSPITAL, MANCHESTER, 20

(ADULT GENERAL. 1,629 BEDS)

Applications are invited for the appointment of DEPUTY CHIEF PHARMACIST. Ph.C. qualification and hospital experience preferred.

Salary J.N.C. (Hospital Staffs), Grade £425-£525. Commencing salary according to experience in Grade.

Applications, stating age, qualifications and experience, together with copies of not more than three testimonials, to be addressed to The Medical Superintendent, by October 30, 1948.

AGENCIES

36 words 17/6 (minimum) then 4d. per word. Box 2/-

AGENTS wanted by pharmaceutical manufacturers in the following territories: Scotland, Northern Ireland, Midlands, Yorks, Lancs, Cheshire, Eastern Counties. Must have established connection with wholesale and retail chemists. Generous commission. Box No. 302, Curzon International, Ltd., 11 Duke of York St., S.W.1.

AGENCIES WANTED

36 words 8/6 (minimum) then 3d. per word. Box 2/-

AGENT. SCOTLAND. M.P.S. Car owner, office, etc. Glasgow Central. 20 years' experience and established connection, desires representation of reputable pharmaceutical house; or lines of quality; no cosmetics. Box 4/911.

DIRECTOR MANUFACTURING CHEMIST calling on doctors and chemists, South Wales area is open to accept agency for ethical line, not interfering with present specialities carried. Box 4/907.

GENTLEMAN with established connections among wholesale and retail chemists all over Northern Ireland seeks one or two reputable saleable lines on a commission basis. First-class representation assured. Car owner. Box 4/903.

GERMAN WHOLESALER is interested in the import of chemicals, especially raw materials, crude drugs, etc. Would act as representative or on own account. Best references. H. Roehl, Offenbach/M, Germany, Kasernenstr. 1.

BUSINESS OPPORTUNITIES

36 words 17/6 (minimum) then 4d. per word. Box 2/-

AN AUSTRALIAN dentifrice maker could manufacture under licence and market various toilet preparations and similar lines; necessary plant available to cope with industry. Any manufacturer interested please contact W. H. Jones & Co., (London), Ltd., "Rusper," Barnet, Herts.

FOR SALE, small limited company owning very attractive and exceptional registered trade mark, marketing baby powder and baby medicinal products. Unusual opportunity to acquire a business with great possibilities. Price for complete transfer, £300, including small stocks, stationery and literature, goodwill and trade mark. Box 4/933.

MANUFACTURERS have facilities and space available, including offices, for manufacturing, packing and distribution of domestic, industrial and toilet products. Box 4/905.

MANUFACTURING CHEMISTS have facilities and space available for the manufacture and/or packing of domestic, industrial or toilet products. Bottle, powder and tube filling. Frank Macowal, Ltd., 30 Loughborough St., S.E.11. Reliance 3435.

STOCKTAKING FOR INCOME TAX OR SALE VALUATIONS

In addition to the normal chemist's stocktaking, I specialise in the valuation of—

Photographic Stocks & Equipment
Optical Stocks & Equipment
Fixtures & Fittings

and all items relating to Wholesale or Retail Chemist's Businesses.

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Results Available SEVEN DAYS after Valuation

Scale terms based on net cost of stock exclusive of the purchase tax figure for which there is NO charge

M. H. BARNES (Licensed Appraiser)
4 CHARLWOOD ST., VICTORIA, S.W.1
Telephone : VICTORIA 5686

WANTED

36 words 8/6 (minimum) then 3d. per word. Box 2/-

OSCILLATING COATING PAN required, 30" to 36" diameter. Ayrton, Saunders & Co., Ltd., Liverpool.

STEARIC ACID, triple pressed, required in large quantities. Box 4/2.

SUPPLIES of triple pressed stearic acid block, 5 cwt. and over; also glycerine, B.P. Box 4/930.

WANTED. Drinking straws by wholesale distributing house Any quantity, large or small, interesting. Quote price, quantity available. Box 4/926.

MISCELLANEOUS SALES

36 words 17/6 (minimum) then 4d. per word. Box 2/-

FOR SALE. Wholesaler's stock toilet preparation and chemists' sundries for sale, due to closing of departments. Reasonable offer accepted. Box 4/900.

FOR SALE. 6 cwt. Hæmoglobin powder. Bargain price 2/- per lb. Perfect condition. Not now required line discontinued. 4/906.

JUST THE THING for the Xmas trade. Regent wire hairbrushes. Retails 5s. 6d. one dozen upwards. Carriage paid £2 8s. 0d. per dozen. Showcard supplied. Also available to wholesalers. Send your order now. Williams, 83 London Rd., Glasgow.

MANUFACTURING CHEMISTS have surplus stocks of aniseed, fennel seed, talc, B.P.C., sodium percarbonate, terebene, santonin, for disposal. Samples will be sent on request. Please contact Box 4/923.

MANUFACTURING CHEMISTS have surplus stocks of carbromal, cyclobarbitone, theobromine and other fine chemicals for disposal. Please contact Box 4/813.

REDUCED PRICE to clear surplus. 6 ex. Pan matic films to fit 120/620. Every film guaran perfect. 18s. doz., plus carriage. Gross lots riage paid. C.O.D. post. Box 4/922.

TEA SEED OIL, pure and odourless. Finest qu Original drums of 45/48 gals. at 40/6 per 5 gal. tins at 42/6 per gal.; 1 gal. tins at Sidney Parks (London), Ltd., 9 Great Pulteney London, W.1.

UNUSED SURPLUS STOCKS. Offers invited bulk quantities. Samples post free. (1) 2 white glass panel bottles, white enamel screw 22s. gross; gilt caps, 17s. 6d. gross. Minimu gross. (2) 40 c.c. (1½ oz.) attractive ribbed bottles, amber, blue or green glass, gilt s caps, 42s. gross. Minimum, 1 gross. (3) 22 screw caps: Aluminium, 7s. gross; gilt, 2s. gross; bakelite, 6s. gross. Minimum, 3 gross. 5 c.c. vials neutral glass, white, 16s. gross; an 18s. 6d. gross. Minimum, 3 gross. (5) Ru vaccine caps for (4) above, 6s. gross. Minin 3 gross. (6) Cardboard boxes, unprinted, inclu divisions (for 12 1 oz. tubes 1 5/16 in. dia. x high), 16s. gross. Minimum, 1 gross. (7) C drical cardboard containers, inside 3 in. di 3⅜ in. high. Box 4/823.

SACCHARIN TABLETS (standard) packed in Retailers 84/- per gross. 5 gross 5% disc Wholesalers 74/- per gross minimum 10 gross. goods carriage paid. Cash with order. Box 4/811.

SURPLUS STOCKS. Offers invited for bulk tities. 2 tons soda ash; 1½ tons mag. trisi (84 lb. bags); 9½ cwt. calc. hypophosphite (2 tins); 1 cwt. mag. oxide. Levis. (56 lb. 30 lbs. vanillin crystals 100%; 50 gross 2-oz. a jars; 40 gross assorted 2, 3, 5, 7, tablet bo 100 gross assorted 5, 7 caps; 120,000 only (p crystal bags, 3" x 3½"; 32,000 only waxed car approx. 3-oz. printed; also various quantities e and non-edible, colours. Samples sent on req Box 4/914.

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2/6 per line (12 lines = 1"). Box 2/-

Removed from West London and other store Sale Convenience.
2/5 LITTLE BRITAIN (close to G.P. London, E.C.1.
COMPLETE RANGE OF CHEMISTS' TURES. Drug runs, showcases, tallboys, 50 glass counters, mirrors, cash till, chromium play stands, glass shelves, office equipment, a machines and typewriters. Novelties, etc.
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TRADE MARKS

36 words 17/6 (minimum) then 4d. per word. Bo

The Trade Marks KASON registered under 563065 in respect of polishing preparations cluding preparations which both clean and p and Dekko registered under No. 563067 in re of liquid preparations for cleaning and poli glass and for preventing condensation on were assigned on the 28th June, 1948, by K Chemical Co., Ltd. (by their liquidator, Fred Wadden Charles), of 22-23 Tower Hill, Lo E.C.4, to Medical Supplies (N/C), Ltd., of Avenue, Trading Estate, Gateshead, 11, wi the goodwill of the business in which they then in use.

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